

COMPUTER-AIDED DESIGN AND DOCUMENTATION OF INSTRUMENTATION SYSTEMS

J. L. Dorris ARO, Inc.

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ARNOLD ENGINEERING DEVELOPMENT CENTER

AIR FORCE SYSTEMS COMMAND

ARNOLD AIR FORCE STATION, TENNESSEE

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FOREWORD

The research reported herein was sponsored by Headquarters, Arnold Engineering Development Center (AEDC), Air Force Systems Command (AFSC).

The results of the research which are presented in this report were obtained by ARO, Inc., (a subsidiary of Sverdrup & Parcel and Associates, Inc.), contract operator of AEDC, AFSC, Arnold Air Force Station, Tennessee, under Contract F40600-72-C-0003. The ARO Project Number was RT8002, and the manuscript was submitted for publication on April 27, 1971.

This technical report has been reviewed and is approved.

Walter C. Knapp Lt Colonel, USAF AF Representative, ETF Directorate of Test Joseph R. Henry Colonel, USAF Director of Test

ABSTRACT

A system of digital computer programs developed to aid in the design and documentation of instrumentation systems is described. Included are brief descriptions of system concepts and capabilities, required system inputs, explanations of system outputs and information contained therein, and system utilization. This system is currently in use by the ETF J-Instrument Branch of the Arnold Engineering Development Center.

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SECTION I

Testing of rocket and jet engines under simulated altitude conditions at Arnold Engineering Development Center usually requires the acquisition of several hundred channels of data per test. A major portion of these data consists of pressures and temperatures which are used to determine engine performance and test cell environment. The nature of such tests dictates that like measurements be made at several different locations on the engine and in the test cell. The specific measurements which are made are dependent on the type of information desired for the test program.

Test programs may require from one week to as high as two years of test time, and turnaround time between test programs must be held to a minimum. Therefore, it is not feasible to permanently install complete instrumentation systems. However, since all test programs require large quantities of certain types of measurements, it is feasible to permanently install, and document by engineering drawings, basic instrumentation system components and then utilize these components as required by the test programs. All permanently installed components are connected to interconnection devices which allow for complete versatility of equipment usage and almost limitless configurations of the equipment to meet different test program instrumentation requirements.

The permanently installed instrumentation equipment associated with a test cell is grouped into three major portions: (1) wiring, or hard-wired signal conditioners, used to route signals from permanent instrumentation connection points in the test cell or area to an interconnection device, (2) signal conditioning devices having both inputs and outputs wired to the interconnection device, and (3) recording or readout devices having inputs wired to the interconnection device.

Complete measurement systems are built up by connecting transducers to the permanently installed components using specially fabricated cabling and then interconnecting (patching) the permanent components to establish the desired signal conditioning and recording and/or readout configuration.

Engineering releases (called an Instrument Book) document the measurement systems necessary for a test program and are used to accomplish the installation, wiring, interconnecting, and setting up of the required instrumentation systems. The Instrument Book contains information such as measurement nomenclature, transducer assignments, cabling to be fabricated for connection of the transducer to a permanent instrumentation connection point, the specific permanent instrumentation components required, the exact required interconnection of components, setup of signal conditioners and recording and/or readout devices, data reduction constants and methods, transducer calibration data, and sketches or drawings which show the physical location of each transducer or pickup. A new Instrument Book is prepared and released for each test program and is revised when the applicable test program requirements change.

The task of compiling an Instrument Book consists largely of preparing listings of the specific hardware used for each measurement, specifying the interconnections which must be made to connect the different components of the measurement channel, and maintaining a running inventory of the equipment that has been used and that which remains available. This task necessarily entails a large amount of manual bookkeeping and the transferring of information from one form to another. To eliminate as many of these manual manipulations as possible, a system of computer programs was developed to aid in the design and documentation of instrumentation systems. The concept of operation, information utilized, information obtained, and additional (and planned additional) capabilities of this computer program system are described in this report.

SECTION II

To use computers in the design and documentation of instrumentation systems, sufficient information must be supplied concerning the desired configuration and the available equipment. To accomplish this, "model" instrumentation systems and reference files were established. These systems and files are discussed in the following paragraphs.

2.1 MODEL INSTRUMENTATION SYSTEMS

The first step taken was to establish model instrumentation systems, called Typical Hookups (Fig. 1, Appendix I). Each Typical Hookup consists of a specific type of transducer, signal conditioning equipment, readouts and/or recording devices, and the necessary interconnecting wiring. It should be noted that a Typical Hookup requires only certain

types of equipment rather than specific pieces of hardware. The equipment specified on a Typical Hookup, with the exception of the transducer and fabricated cable, consists of permanently installed instrumentation equipment and wiring.

The connection of the transducer to the permanent equipment is accomplished by the use of nonpermanent (fabricated) cabling. This cabling is fabricated for each measurement and each new test program in accordance with released drawings called Standard Cable Fabrications (Fig. 2). Each Standard Cable Fabrication provides the detailed information to permit fabrication of cabling which will interconnect certain types of transducers with a specific type of connection point which is a part of the permanent instrumentation system. Because of standardization of connection points, the same Standard Cable Fabrication may be used with many different Typical Hookups. Each Typical Hookup specifies a Standard Cable Fabrication to be used.

By translating the Typical Hookups into a form compatible with computer methods, these Typical Hookups were used to guide the computer in the design of actual measurement systems.

Drawings of each Typical Hookup and Standard Cable Fabrication were released for use during setup, checkout, and trouble shooting of measurement systems.

2.2 REFERENCE FILES FOR COMPUTER

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Since Typical Hookups were to be utilized as guides for selection of measurement system hardware, reference files of Typical Hookups and files of all instrumentation hardware available for use were established. The instrumentation hardware was grouped into two categories: (1) transducers and (2) permanently installed equipment and/or wiring.

To establish the transducer file, all transducers were assigned a type code. The type code was representative of the type (Bridge, LVDT, etc.) of transducer and the connector and connector pin functions required for mating with the transducer. All electrically interchangeable transducers thus have identical type codes.

For the Equipment File, all permanently installed instrumentation hardware was categorized as to its specific function, and each individual unit or channel was assigned a type code so that all functionally interchangeable equipment has identical type codes. Additionally, each unit

or channel of equipment was assigned a unique identification code that corresponds to the actual number by which the equipment is identified and which is shown on the permanent equipment installation drawings.

By using these codes, reference files of measurement systems (Typical Hookups), the permanent equipment available for use (equipment inventory), and the available transducers were established for use by the computer. These files are discussed in the following paragraphs.

2.2.1 Reference File of Model Instrumentation Systems

The reference file of Typical Hookups contains the information required to guide the computer in the selection of transducers, signal conditioning equipment, readouts and/or recording devices, and equipment interconnections. This information consists of: (1) Typical Hookup identification number, (2) type code of required transducer, (3) identification number of the Standard Cable Fabrication to be utilized, (4) type code of cable or hardwired signal conditioner used to route signal from permanent test cell or area connection point to interconnection device, (5) type code or codes of desired interconnectable signal conditioners, (6) type code of readout or recording devices, (7) optional English description of signal routing, and (8) system points where interconnections are required.

The reference file of Typical Hookups is applicable to any test complex and need be prepared only once. Revision of the file is required only as Typical Hookups are added, deleted, or changed. Figure 3 is an example of a portion of the reference file of Typical Hookups. The information on each line is contained on a single 80-character punched card.

2.2.2 Reference File of Instrumentation Equipment

To supply information concerning equipment available for use, a reference file of all permanently installed instrumentation wiring and equipment was established. The information in this file consists of:

(1) card number for identification and sorting of file punched cards,

- (2) identification code of the equipment, (3) English description of the equipment, (4) applicable equipment type code, (5) interconnection device and point to which the equipment input is connected, (6) interconnection device and point to which the equipment output is connected, and (7) a designation letter which identifies the test complex with which the equipment is associated. In addition, space is provided for the com-
- the equipment is associated. In addition, space is provided for the computer to enter the designation of the measurement systems to which the equipment is assigned.

The instrumentation equipment reference file is applicable to a given individual test complex and need be prepared only once for each complex. Revision of the file is required when equipment availability, installation, or assignment changes occur. Figure 4 is an example of a portion of the equipment reference file. The information is contained on a single 80-character punched card.

2.2.3 Reference File of Transducers

A reference file of transducers was established to provide information as to the available transducers, the range and function of each transducer; and the transducer calibration data. The information contained in this file for each transducer consists of: (1) type code assigned to the transducer, (2) transducer range in engineering units, (3) range units, (4) transducer manufacturer's name, (5) identification or serial number assigned to the transducer, (6) type of calibration/signal conditioning circuit used with transducer during calibration, (7) engineering units value of each of five standard calibration steps (if applicable), (8) units associated with calibration values, (9) the date on which the transducer will next be due for its next periodic calibration, and (10) code letter (if applicable) to identify individual bridges or outputs of a multiple-output transducer. It should be noted that each individual output of a multiple-output transducer is entered in the file as a separate transducer. The information for each transducer is contained in a total of five punched cards with each card corresponding to one of five standard calibration steps.

The reference file of transducers is applicable to all test complexes utilizing the transducer "pool" and is prepared only once. Revision of this file is required as transducer assignment changes are made or when transducers are recalibrated. Figure 5 is an example of a portion of the transducer reference file.

2.3 SYSTEM REQUIREMENTS

The quantity, types, and other pertinent information necessary to permit computer design of instrument systems were communicated to the computer by the use of punched cards referred to as input cards. These cards are used to provide the following information: (1) type of system (by Typical Hookup number) and range required for each measurement system, (2) the parameter designation, (3) measurement system nomenclature and transducer location sketch identification number, and (4) any preselected equipment. These cards must be prepared for each Instrument Book to be processed by the computer.

In addition, punched cards referred to as data reduction cards are used to provide such information as the methods for data reduction (type of calibrations, etc.) and to indicate the data reference. These cards must also be prepared (if data reduction information is desired) for each Instrument Book to be processed by the computer. Figure 6 is an example of both input and data reduction cards.

2.4 COMPUTER PROGRAM

The computer program system was prepared so that the previously discussed reference file of Typical Hookups would guide the computer in building up measurement systems. To build up a measurement system, the computer program selects required hardware from the transducer and equipment reference files in accordance with the input card and selected Typical Hookup requirements. The program allows for the preselection of all or any portion of the hardware to be used for a particular measurement parameter. If specific hardware is not preselected and specified by identification number on the input card, the computer program will select the transducer and hardware in accordance with the type codes specified on the Typical Hookup. When hardware is selected for use with a parameter, the computer program assigns it to that parameter so that it cannot be selected for use with any other parameter. Also, the interconnections which are required to connect the selected hardware in proper configuration are selected and tabulated by item number.

The result of a computer run with the program system is a series of listings which describes the instrumentation systems that are to be used for a test program. These listings are discussed in Section IV.

Details of the computer programs are not discussed in this report. However, listings of actual programs and program flow charts are contained in Appendix II for analysis if desired.

SECTION III INFORMATION UTILIZED BY COMPUTER PROGRAM

3.1 REFERENCE FILES

As discussed in Section II, the computer program utilizes the Typical Hookup, equipment, and transducer reference files. These files are prepared and maintained on punched cards, permitting easy

revision of the files. Prior to use, the files are transferred to magnetic tapes which are used to input the file information to the computer program.

3.2 NECESSARY INPUT INFORMATION

In addition to the reference files, the computer program must have additional information before it can design and document a measurement system. This information is supplied by the previously described input cards and consists of (1) parameter designation assigned to the measurement system, (2) the number of the Typical Hookup to be utilized as a guide for design of the system, (3) the range or the identification number of the transducer to be used for the measurement, (4) Instrument Book item number assigned to the measurement, and (5) the card count number which identifies input cards associated with the measurement and which specifies the processing sequence of that group of cards. It should be noted that, generally, the number of input cards required for a measurement corresponds to the number of independent readouts and/or recording devices desired for that measurement.

3.3 OPTIONAL INPUT INFORMATION

Information not required by the computer program, but in some cases desirable, may also be supplied on the input cards for each measurement system. This information consists of: (1) parameter nomenclature which is descriptive of the measurement, (2) identification number of specific signal routing if such is desired, (3) identification number of specific signal conditioning hardware if preselected, (4) identification number of specific readout and/or recording hardware if preselected, (5) the sketch number which shows the physical location and installation of the transducer in the test cell or area, and (7) a priority code if it is desirable to process the input cards for this measurement prior to those for lower priority measurements. Inclusion of all or any portion of the above information on the input cards is optional.

3.4 DATA REDUCTION INFORMATION

Data reduction cards contain the parameter designation, the identification code for the particular step of the calibration sequence which applies to the assigned readout and/or recorder, and the data reference code. The above codes instruct the computer as to which calibration steps are to be used to reduce the data for a parameter and to the

particular reference point for the calibration. The specified calibration information (obtained from the transducer file or from tables of standard millivolt substitution calibration values built into the computer program) will be printed on the data reduction information listing. This listing is discussed in Section IV.

SECTION IV COMPUTER OUTPUTS

As previously stated, the result of a computer run is a series of listings which describes the instrumentation systems that are to be used. Most of these listings are incorporated in the Instrument Book, and the remaining ones are maintained as equipment inventory and utilization lists. These listings are discussed in the following paragraphs.

4.1 HOOKUP INFORMATION

The hookup information listing is incorporated in the Instrument Book so that instrumentation components can be properly connected to form complète measurement systems. For each measurement, hookup information consists of (1) parameter designation and nomenclature, (2) identification numbers of transducer and all equipment utilized with the measurement and the order in which it is connected, (3) identification number of the Standard Cable Fabrication to be used to connect the transducer to the specified permanent connection point, (4) identification number of the Typical Hookup by which the system was designed, (5) assigned number of the Instrument Book sketch which shows the physical location of the transducer, and (6) the Instrument Book item number assigned to the parameter. Figure 7 is a sample page of a hookup information listing.

4.2 INTERCONNECTION INFORMATION

To connect the permanently installed equipment specified in the hookup listing, specific points on the interconnection devices must be connected. The interconnection information listing specifies the exact interconnections required and the item number of the measurement system with which they are associated. This listing is included in the Instrument Book for use during hookup, checkout, and trouble shooting of the measurement systems.

4.3 CABLE FABRICATION AND INSTALLATION INFORMATION

To facilitate the fabrication and installation of cables used to connect transducers to permanent connection points, a listing of required cable fabrications is produced and included in the Instrument Book. This listing specifies identification number of the Standard Cable Fabrication to be used for each measurement system, the points to which each end of the cable is to be connected, and the first signal conditioner used with the parameter.

4.4 DIGITAL SYSTEM CHANNEL ASSIGNMENTS

To facilitate the setup and checkout of multiple-channel digital recording systems, a channel number ordered listing of the parameters associated with the system is included in the Instrument Book. The designation of the parameter to which a channel is assigned is printed beside the channel number, thus allowing rapid determination of the channels used and all channel assignments.

4.5 DATA REDUCTION INFORMATION

Data reduction information listings are included in the Instrument Book. This information consists of listings for each recorder and the parameter assigned to the recorder or recorder channel. In addition, the calibration step number code and engineering units equivalent value of the calibration step along with the data reference for each parameter are included.

4.6 UPDATED REFERENCE FILES

Listings of the reference files which were used by the computer program are maintained as equipment inventory and utilization lists. The listing of the Typical Hookup file is used for reference as to the information supplied to the computer for the given computer run.

When a transducer or other equipment is selected for use with a measurement during a computer run, the appropriate reference file is updated to show that the selected hardware is assigned to the measuring system. Upon completion of the run, listings of the updated transducer and equipment files are produced. These listings show all the transducer and equipment reference information used and the hardware utilized for each measurement. Listings of the updated files provide an excellent transducer and equipment inventory.

SECTION V ADDITIONAL COMPUTER PROGRAM CAPABILITIES

In addition to its normal use for design and documentation of electrical instrumentation systems, the computer program is frequently used to design and document pneumatic systems. Special reference files of pneumatic system components and Typical Hookups are supplied to the computer as reference files. The computer processes input cards for pneumatic systems and outputs pneumatic hookup, interconnection, and assignment information in the same manner as for electrical systems.

Another feature of the computer program provides that, on completion of a computer run of an Instrument Book, all information that the computer contains at that time is transferred to a special reel of magnetic tape. By utilizing this tape reel and the special revision capabilities of the program, the Instrument Book can be revised by the computer. In such cases, all information and assignments which are not altered by the specific use of the revision capability will remain exactly as they were at the completion of the previous run.

SECTION VI PLANNED ADDITIONAL PROGRAM CAPABILITIES

The further development of the program system to allow the computer to specify the setup of multiple or adjustable range equipment utilized with measurement systems is planned in the near future. This capability will include such things as specifying gain settings for variable gain devices and specifying range for selectable range readouts and/or recorders.

In short, although a rather substantial start has been made toward automating much of the routine aspect of Instrumentation Systems Design, continued efforts to expand and improve the system are envisioned.

APPENDIXES

- I. ILLUSTRATIONS
- II. COMPUTER SYSTEM PROGRAM

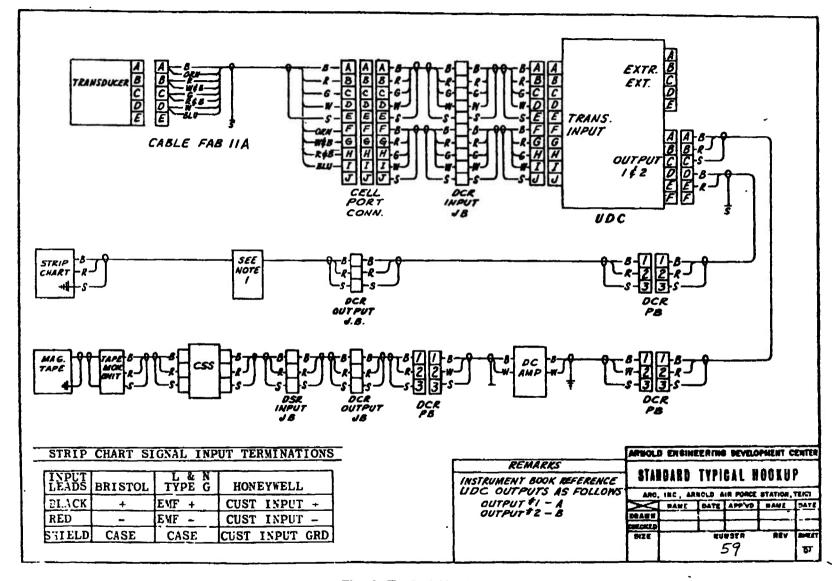


Fig. 1 Typical Hookup

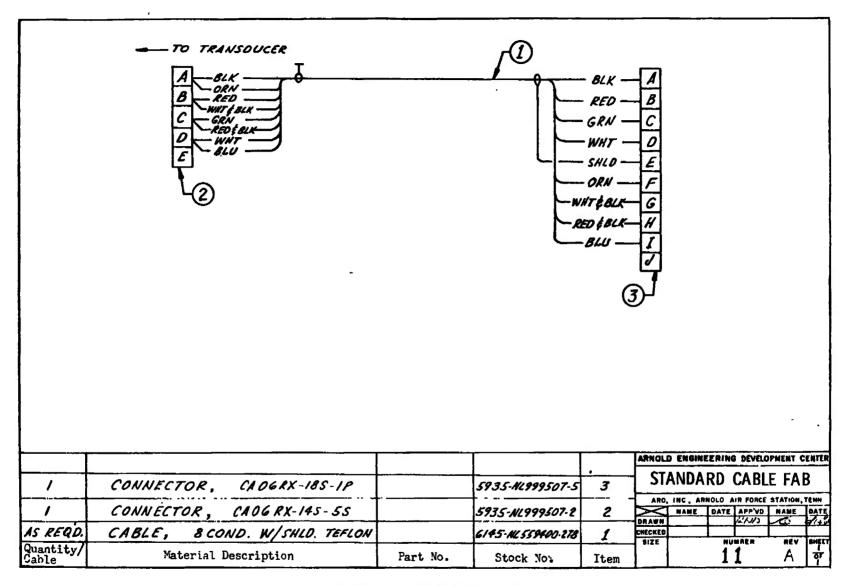


Fig. 2 Standard Cable Fabrication

			•				
TYP C	TRANSDUCER	I CABLE	SIGNAL ROUTING	WIRED P.B.	SIG. P.B. P.B.	SIG. P.B.	REC. CAB
NO C	TYPE	CTYPE_	SIGNAL_ROUTING	S.C. OL	COAD, D I O I	CONO DI JB	ELEC FAB
25 2	DUCER-5		AREA _DCR_I	W AADU		x OCR O	SC 11A
35 1			400 - Deve	UC4B X		X OCR O	
	DUCER-5	PORT					
36 1				UCIB X		X DER O	
	DUCER-5	X PORT	THRUST_CAL LOGICSHOWN	UCIAX		x	
38 1			THRUST CAL LOGIC SHOWN	UCIA X		x	DD03 B3
	DUCER-5		ARER OCR I	UC4A X		X DCR O	MS50A_
4DA 1	DUCER-5	PORT	OCR I	UCIA X		X OCRO	0002 83
41C 2	QUCER-5		DCR.I	UC1A X		X	0002 83
41C 1			10-711- 01 100 11 0-11 -120 11 1	UC1B X		X DCR O	SRO1
42C 1	OUCER-5		•	UC1A X		X OCR O	0003 3
43C 3	OUCER-5	PORT		UC1A X		x	0003 83
43C 2				UC1B_S2		X	SROL
43C 1				¥	MDO1 X	X	MEO4
44C 4	OUCER-5	PORT.		UC1AX.X	.FL01, X	xx	0003 83
44C 3				UC18 S2X	DASA		LOGI
44C 2					DA58 X	x _	ME09
44C 1	W 50 PO			X	OA5A X	x	SRO1
45C 2	DUCER-5	PORT_		UCIA X		x	SROL LIA
45C 1				UC1B X		X	0003
47 2	DUCER-5			UC.1 A X		x	DD02_83
47 1				UC18 X X	M001 X	x	MEO4
48A 2	DUCER-5		<u>DUISIDE CELL CONN-DCR I</u>	UCZĄ X X	MDOI X	X_OCRO	
48A 1				UC2B X			0002
49 2	DUCER-5	PORT		UC1A X		X DCR D	
49 1	2012 20 10	100000		UC1B X X	MO X	X OCR O	
<u>50C 1</u>	OUCER-5	PORT		UCLA X X	DA X	X DCR .O	
510 3	OUCER-5	PORT		UC1A X	*****	X OCR O	
51D 2				UC1B \$2X .	. DAX	X .DCR O	
510 1	28 33	5555				X DCR O	
.52C 1	DUCER-5	X PORT		UC1A X X	MDO1 X	X	ME04_11A_
53A 2	DUCER-5		AREA-OCR I	UC4A X	·	X	D002 82
53A 1	211252 5			UC4B X X	MDD1 X		MEO4
54A 1	OUCER-5		AREA-OCR I	UC4A X			D002 82
55 2	DUCER-5			UC4A X	 	<u>x</u>	OS12A
55 1	D.1050 E			UC48 X		X	SC
56A 2	DUCER-5			UC4A_X		<u>\$</u>	MS 12A
56A 1 57C 3	DUCED E	PORT		UC4B X X		X X	CO MTO2 11A
57C 3	DUCER-5	PURI		UCIA SZX	VI X	X	MT02
57C 1					OA X	Š	0523
58A 3	OUCER-5	PORT		UC1B X X UC1A X X	Vη X	, iX DCR D	MT02 11A
58A 2	OUCEK-3	PUKI			DA X	X OCR O	
58A 1				UC18 SZX	DA X	X OCR O	
59 2	OUCER-5	PORT		UCIA X X	DA / X	X OLK D	
59 1	OVE U-3	FUNI		UC1B X	- KV - (-V	X OCR O	
60C 2	OUCER-5	PORT	DCR_f	UCIA X X	V1 S2		MT02_11A_
60C 1	DOPEN-3	FUNI	UUN_E		<u> </u>		C001
61 1	OUCER-5	PORT	OCR I	UC1A X X	M001 X		FA01 11A
62 2	OUCER-5	PORT	V WIT 2	UCIA X X	VI X		MT02 11A
32 E	OUCEN-3	FUNI		OCIA X X	*	A JUK U	HIVE TIM

Fig. 3 Portion of Typical Hookup Reference File

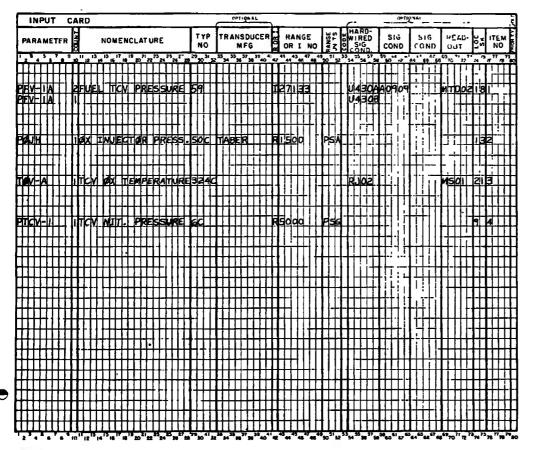
	С			TYPE	FROM					TEST
CARD	c ·	IDEN.	DESCRIPTION	CODE	DEVICE	DEVICE PT		DEVICE PT	PARAMETER	CELL
21	2	U021A	UDC DUTPUT A	UC 5A	JB 23	21	PB1 .	_R69	PTCV-1	H.
21	1	U021B	DOC JUTPUT B	UC 5B	JB 23	21	PB2 '	R91	PTCV-1	M
22	2	UOZZA	UNC DUTPUT A	UC 5A	JB 23	22	PB1 v	R70		M
22	1	U022B	UNC DUTPUT B	UC 5B	JB 23	22	PB2	R92		M
120	2	U430A	UNC DUTPUT A	UCIA	PURT 4	430	PB1	L7B	PFV-1A	M
120	1	U430B	UDC DUTPUT B	UCIB	PORT 4	430	PB2	L34	PFV-1A	M
121	2	U431A	UNC DUTPUT A	UCIA	PORT 4	431	PBI .	M69	PDJH	M
121	1	U431B	UDC DUTPUT B	UCIB	PORT 4	431	PB 2	M25	POJH	M
186	1	RJ316	T/C PORT - RJ3 CHAN 16	RJ02	JB 1229	116	PB1	B56	IDV-A	14
187	I	RJ317	T/C PORT - RJ3 CHAN 17	RJ02	JB 1229	117	PB1	B57		M
1082	Ī	A0908	DC AMPLIFIER	DA01	PB1	J32	. PB1	J86		M
1083	1	A0909	DC AMPLIFIER	DAGI	PB1	J33	PB1	JB7	PFV-1A	M
1084	1	A0910	DC AMPLIFIER	DAOL	PBI	J34	PBI	J88	POJH	M
1433	1	MTDO1	MAG TAPE D CHAN 1 - FM	MTOL	PB2	M72 .	CABLE3175	MT-D-01		M
1434	1	MTD02	MAG TAPE D CHAN 2 - FM .	MT01	PB2	M73	CABLE3176	MT-D-02	PFV-1A	M
1730	I	MC030	MICROSADIC AMP 30 - 5MV	M501	PB2	883	CABLE3557	MC-030	TOV-A	M
1731	1	40031	MICROSADIC AMP 31 - 5MV	MS01	PB2	884	CABL F3558	MC-031		M
2231	1	40102	METER 102	MEQ1	PB1	GB 0	CABLE3264	MTR-102	POJH	14
2364	1	SCI17	STRIP CHART 117	SCOL	PB2	F56	CABLE3342	SC-117	PFV-1A	M
2365	1	SC118	STRIP CHART 118	SCOL	PB2	F57	CABLE3343	SC-11B		M
. 2366	1	SC119	STRIP CHART 119	\$C01	PB2	F58	CABLE3344	SC-119	PTCV-1	M
3000	1		PB INTERCONNECT PRI-PB2	INTR	PB I	J15	PB2	E69	PFV-IA	M
3001	. 1		PB INTERCONNECT PB1-PB2	INTR	PB1 .	J16	PB 2	. E70	IDV-A	_ M _
3002	I		PB INTERCONNECT PB1-PB2	INTR	PB 1	J17	PB2	E71	PTCV-1	M
3003	1		PR INTERCONNECT PB1-PB2	INTR	PBI _	J18	.PB2	.E72		14
3004	1		PB INTERCONNECT PB1-PB2	INTR	PB1	J19	PB2	E73		M
3005	1		PB INTERCONNECT PB1-PB2	INTR	_PB1	J20	P82	_ E74		B
3006	1		PB INTERCONNECT PBI-PB2	INTR	PB1	J21	PB2	\$70		M
3007	1		PB INTERCONNECT PB1-PB2_	INTR	PB1	J22	P.B.2	571		_ [M]_
3008	1		PB INTERCONNECT PB1-PB2	INTR	PB1	J23	PB2	\$72		М

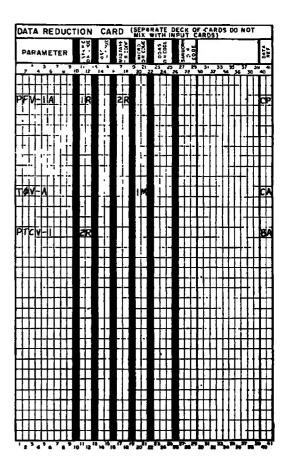
Fig. 4 Portion of Equipment Reference File

16

C-FILE T-DUCER USED FOR PARAMETER UDC CARD R POS. RN N EQUIV. NEG. RN RE-CAL I-NO TYPE RANGE UNITS C TRAN MFG. EQUIV. UNITS DATE DUCER-5 PSA 26928 26928 1500 PDJH TABER PSA 0 PSA 2692B PSA 26928 PSA PSA 26928 TABER DUCER-5 500 PSA PFV-1A 27133 DS Ō N/A PSA 011170 0120.102 0239.530 PSA 27133 27133 PSA 0358.474 27133 PSA 27133 0477.182 PSA DUCER-5-PTCV-1 TABER 28349 28349 DS 5000 PSG N/A PSG 032370 1354.884 PSG 28349 2712.516 PSG 28349 4069.841 PSG 28349 4 N/A PSG

Fig. 5 Portion of Transducer Reference File.





Notes:

- 1. For parameter PFV-IA, all equipment has been preselected and specified by identification number on the input cards.
- For parameter POJH, only the required information plus the name of a particular transducer manufacturer is included on the input card.
- For parameter TOV-A, the required information and the type codes of the desired hardwired signal conditioner and readout are specified on the input card.
- 4. For parameter PTCV-1, only the required information is on the input card.

Fig. 6 Input and Data Reduction Cards

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AEDC-TR-71-109

HOOKUP INFORMATION

C 4. 4. 4. PARAMETER C NOMENCLATURE		CONNECTING <u>DEVICE</u> PULN				SIG. CONO.	SIG. COND.	READOUT		CAR FAB		ITEM NO	_
PEV-1A 2 FUEL TCV_PRESS.	_271,33	PORT 4 430	-	U430A	.OS	_A0909		HTDOZ	59	114	18	1	2
PFV-1A 1 1		PORT 4 430		U430B			-	SC117				1	1
POJH 1 DX 1NJECTOR PRESS.	26928	PORT 4431		U431A		AD910		M0102	50C	114	13	2	1
TOV-A 1 TCV DX- TEMP.	TC/CA	_1B, 1229 116		RJ316		-		MCO30	324C	29A	21	3	1
PTCV-1 1 TCV NIT. PRESS.	28349	JB 23 21		U021A	DS .			SC119 .	60	12 A	9	4	1

Fig. 7 Hookup Information

APPENDIX II COMPUTER SYSTEM PROGRAM

For those desiring detailed information about the program system, the computer system program flow charts and program listings are presented. Figure II-1 is the program flow chart for the programs which produce the various Instrument Book listings, and Fig. II-2 is the program flow chart for the programs which revise a previous computer run. The remainder of this Appendix consists of listings of the actual programs. These programs are written in "COBOL F" language and are used with an IBM-360-Model 50 computer.

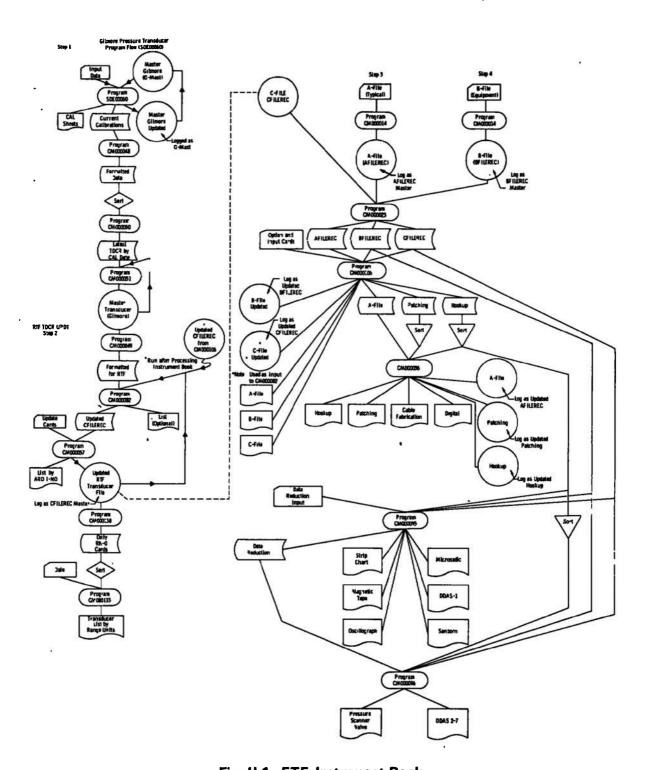


Fig. 11-1 ETF Instrument Book

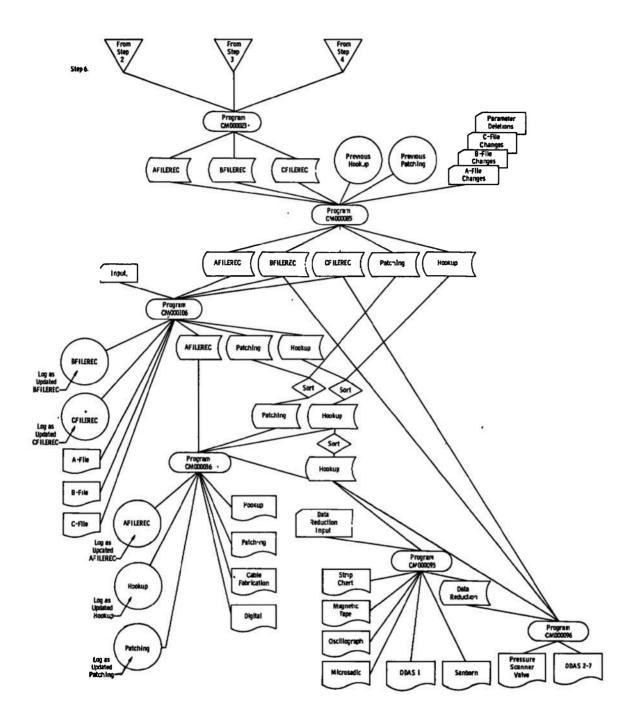


Fig. II-2 ETF Instrument Book Revision Option

.. 1

00001	00101	IDENTIFICATION OIVISION.	CM000014
00002	00102	PROGRAM-IO. CM000014.	CM000014
00003	001 04	ENVIRONMENT OIVISION.	CM000014
00004	00105	CONFIGURATION SECTION.	CM0 00014
00005	00106	SOURCE-COMPUTER. IBM-360 H50.	CM000014
00006	00107	OBJECT-COMPUTER. IBM-360 H50.	CM000014
00007	00108	INPUT-OUTPUT SECTION.	CM000014
	** 109	FILE-CONTROL.	
00009	00110	SELECT CARO-IN ASSIGN 'ALLCAROS' UTILITY.	CM000014
00010	00112	SELECT B-FILE ASSIGN 'BFILEREC' UTILITY.	CM000014
00011	00201	OATA OIVISION.	CM000014
00012	00202	FILE SECTION.	CM000014
00013	00203	FD CARO-IN RECORD CONTAINS BO CHARACTERS	CM000014
00014	00204	LABEL RECORDS ARE STANDARO	CM000014_
00015	00205	RECORDING MODE IS F	CM000014
00016	00206	BLOCK CONTAINS 10 RECORDS	
00017	00207	DATA RECORD IS REC-IN.	CM000014
0001B	00208	01 REC-IN.	CM000014
00019		02 FILLER PICTURE X(4).	
00020	303	02 FILLER PICTURE 9.	
00021			
00022	00221	FO B-FILE RECORD CONTAINS BO CHARACTERS	CM000014
00023	00222	LABEL RECORDS ARE STANDARD	CM000014
00024	00223	BECOROING MODE IS F	CM0 00 01 4
00025	00224	BLOCK CONTAINS 1 RECORDS	CM000014
00036	00225	OATA RECORD IS B-REC.	CM000014
00027	00301	01 B-REC.	CM000014
00028		02 FILLER PICTURE XI4).	
00029	2092 ** 2092		
00030	00322	O2 FILLER PICTURE X(75). WORKING-STORAGE SECTION.	CM000014
00031	00322		CM000014
00032	00323	77 A-CNT PICTURE S999 COMPUTATIONAL-3 VALUE ZERO. PROCEDURE DIVISION.	CM000014
00034	00409	START.	CM000014
00035		SPEN INPUT CARC-IN. OPEN OUTPUT B-FILE.	CH000014
00036		CD-READ, READ CARD-IN AT ENO GO TO ENDIT.	
00037	412	WRITE B-REC FROM REC-IN. GO TO CO-READ.	
0003F	412	ENOIT, CLOSE CARD-IN. CLOSE B-FILE.	
00039	413	STOP RUN.	
00054	414	21116 VOIA*	

00001 00	1010 100	ENTIFICATION DIVISION. OGRAM-10. *CM000145*.	CM000095
00002 00	01020 PR	OGRAM-10. 'CM000145'.	
			CM000095
00004 00	01040 EN	VIRONMENT DIVISION.	CM000095
00005 00	01050 CBI	NFIGURATION SECTION.	CM000095
00006 00	1060 500	NFIGURATION SECTION. URCE-COMPUTER. IBM-360 H50.	CM000095
00007 00	01070 OB.	JECT-COMPUTER. 18M-360 H50.	CM000095
00008 00	01080 IN	JECT-CONPUTER, 18M-360 H50. Put-output section.	CM000095
00009 00	01090 FI	LE-CONTROL. SELECT HOOK ASSIGN 'HOOK' UTILITY.	CM000095
00010 00	01110	SELECT HOOK ASSIGN HOOK! UTILITY.	CM000095
00011 00	31140	SELECT LIST ASSIGN "LIST" UTILITY.	CM000095
00012 00	21170 OA	SELECT LIST ASSIGN 'LIST' UTILITY. TA DIVISION.	CM000095
00013 00	01180 FI	LE SECTION. LIST RECORDING F BLOCK 12 RECORDS RECORD 132 LABEL RECOROS OMITTED OATA RECORD LIT.	CM000095
00014 00	02150 FD	LIST RECORDING E BLOCK 12 RECORDS RECORD 132	
00015 00	02160	LABEL RECORDS OMITTED OATA RECORD LIT.	CM000095
00016 00	021 <u>70</u> 01	LIT PICTURE X(132).	CM000095
00017 00	04010 FD	HOOK RECORDING F BLOCK 1 RECORDS RECORD 133	CM000095
00018 00	04020	LABEL RECORDS ONLITED OATA RECORD LIT. LIT PICTURE X(132). HOOK RECORDING F BLOCK 1 RECORDS RECORD 133 LABEL RECORDS, STANOARO DATA RECORD HOK.	CM000095
00013 00	34030 01	non.	CHOOODS
	04 <u>04</u> 0	OZ FILLER PICTURE X.	CM000095
	4050		CM000095
	04060	DZ FILLEK PICTURE X(58).	CM000095
	04070	02 HUOC PICTURE X(5).	CM000095
	04080	02 HUOC PICTURE X(5). 02 FILLER PICTURE X(25). 02 HROOUT PICTURE X(5).	C40000095
	14090	an annual reserves and an annual reserves	CM000095 CM000095
	04100 04110	O3 HR1 PICTURE X.	CM000095
	04120	02 RHRDUOT REDEFINES HRDUOT. 03 HR1 PICTURE X. 03 HR3 PICTURE X. 03 HR3 PICTURE X. 03 HHR3 REOEFINES HR3 PICTURE 9. 03 RH45 PICTURE XX. 03 RHR45 REOFFINES HR45 PICTURE 99. 02 RRHROOUT REOEFINES RHROOUT.	CM000095
	04130	O3 HR3 PICTURE X.	CM000095
	04131	O3 HHR3 RECEFINES HR3 PICTURE 9.	C/1000072
	04140	D3 HR45 PICTURE XX.	CM000095
	04141	03 RHR45 RECEFINES HR45 PICTURE 99.	CM000095
	04150	02 RRHROOUT REDEFINES RHROOUT. 03 HR12 PICTURE XX. 03 HR345 PICTURE XXX. 03 R345 REDEFINES HR345 PICTURE 999. 02 HR0T REDEFINES HRDOUT.	CM000095
	04160	03 HR12 PICTURE XX.	CM000095
	04170	03 HR345 PICTURE XXX.	CM000095
00036 00	04180	03 R345 REDEFINES HR345 PICTURE 999.	CM000095
00037 00	04181	02 HROT RECEFINES HROOUT.	CM000095
00039 00	04182	03 HRDT1 PICTURE X.	CM000095
00039 00	04183	03 HR023 PICTURE 99.	CM000095
00040 00	04184	02 HROT REOEFINES HRDDUT. 03 HRDT1 PICTURE X. 03 HR023 PICTURE 99. 03 HR045 PICTURE X.	CM000095
	04210	02 FILLER PICTURE X(20).	
	04220	02 FILLER PICTURE X(20). 02 HITEM PICTURE XXXX.	CM000095
	04230	02 FILLER PICTURE X(6).	CM000095
		02 FILLER PICTURE X(6). KKING-STORAGE SECTION. PICTURE 999.	CM000095
	23020 77	J PICTURE 999.	CM000095
	23030 77		CM000095
	23100 77	JECT PICTURE 99 VALUE 50.	CM000095
	11010 01		CM000095
	11020	OZ SYTABL DCCURS, 60	CM000095
	11050	03 SV3 PICTURE X(9) OCCURS 12.	C4002095
00051	01		
.00052 00053		O2 FILLER PICTURE X VALUE SPACE. O2 FILLER PICTURE X(25) VALUE 'NO RANGE PORT O1 PORT O'.	
00054		02 FILLER PICTURE X(25) VALUE '2 PORT 03 PORT 04 P'.	
7000	j.	OF TIPPE LICIARE WISH ANTOC TE LOW OF LAKE OF LAKE	

```
02 FILLER PICTURE X(25) VALUE *ORT 05 PORT 06 PORT 0.
02 FILLER PICTURE X(25) VALUE *7 PORT 08 PORT 09 P.
02 FILLER PICTURE X(26) VALUE *ORT 10 PORT 11 PORT 12.
02 FILLER PICTURE X(5) VALUE SPACE.
00055
00056
00057
00058
                     SYTOP1,
OZ FILLER PICTURE X(36) VALUE SPACE.
00059
00060
                           FILLER PICTURE X(25) VALUE 'SCANNER VALVE ASSIGNMENTS'.
FILLER PICTURE X(33) VALUE SPACE.
FILLER PICTURE X(11) VALUE 'SHEET OF'.
FILLER PICTURE X(27) VALUE SPACE.
00061
00062
                        02
00063
00064
                        ΛŹ
00065
                        SVTOP2.
00066
                           FILLER PICTURE X VALUE SPACE.
                            FILLER PICTURE X(12) VALUE "SV DUCER
00067
00068
                           FILLER PICTURE X(119) VALUE SPACE.
                        02
00069
                        SYLINE.
00070
                            FILLER PICTURE X VALUE SPACE.
                                    PICTURE 99. VALUE VAC REF
00071
                        OZ SVNO
00072
                        02
                             FILLER
                                       PICTURE X(10).
00073
                        O2 PORT2
00074
                        02
                            PORT3
                                       PICTURE X(10).
00075
                        02
                             PORT4
                        02
                            PORT5
00076
                             PORT6
00077
                        02
                                       PICTURE X(10).
00078
                        02
                            PORT7
                                      PICTURE X(10).
                       02 PORTS PICTURE X(10).
02 PORTS PICTURE X(10).
00079
00080
                             PORTIO PICTURE X(10).
PORTII PICTURE X(10).
00081
00082
                        02
                        02 PORT12 PICTURE X(10).
02 FILLER PICTURE XX VALUE SPACE.
00083
00084
00085
          030010 PROCEDURE DIVISION.
00086
          030021
                        OPEN OUTPUT LIST.
          030100
                        DPEN INPUT HOOK.
PERFORM SPACE-T8.
                                                                                                     CM000095
00087
          030130
                                                                                                     CM000095
00088
                                                                                                     CM000095
00089
          031010 RD-HK.
                        READ HOOK AT ENO GO TO HK-END.'

IF HR1 = "S" ANO HR2 = "Q" OR "1" OR "2" OR "3" QR "4" OR
00090
          031020
                                                                                                     CM000095
00091
          031070
                                                                                                    CH000095
00092
          031080
                        "5" DR "6" OR "7" OR "8" OR "9" GO TO SV-ROUTE.
                                                                                                     CM000095
                                                                                                     CM000095
00093
          031110 GO TO
049010 SV-ROUTE.
                        GO TO RD-HK.
00094
                                                                                                     CM000095
          049020
                      _IF HRO23 > 60 DISPLAY "4902" HRDOUT GO TO RO-HK.
00095
                                                                                                   _ CM000095
                        MOVE HRD23 TO J. CM000095

IF RHR45 > 12 OISPLAY *4904* HROOUT GO TO RO-HK. CM000095

MOVE RHR45 TO K.
00096
          049030
00097
          049040
00098
                        MOVE HPAR TO SV3 (J. K)
GO TO RO-HK.
00099
          049050
                                                                                                  __ CM000095
          049060
00100
          062010 HK-END.
00101
                                                                                                     CM000095
                        CLOSE HOOK.
00102
          062020
                                                                                                     CM000095
00103
          069070
                        GO TO WR-SR.
                                                                                                     CM000095
00104
          073010 SPACE-T8.
                                                                                                     CM000095
                        PERFORM SPC-SY VARYING K FROM 1 8Y 1 UNTIL K > 12 AFTER J FROM 1 BY 1 UNTIL J > 60.
00105
          073090
                                                                                                    CM000095
00106
          073100
                                                                                                     CM0000095
00107
          074180 SPC-SV.
                                                                                                     CM000095
                        MOVE SPACE TO SV3 (J. K).
          074190
00108
                                                                                                     CM000095
00109 **071010 WR
                       SR.
                                                                                                     CM000095
00110 **067240
                        MOVE 24 TO JECT.
                                                                                                     CM000095
         068010 WR-SY.
00111
                                                                                                     CM000095
```

00112	PERFORM WRSV1 VARYING J FROM 1	BY 1 UNTIL J > 60.
00113	**066240 GD TO WR-ALL.	CM000095
00114	068060 WRSV1.	- CM000095
00115	<pre>IF J = 1 PERFORM SVTOP.</pre>	
00116	<pre>IF J = 21 PERFORM SVTOP.</pre>	
00117	IF $J = 41$ PERFORM SVTOP.	-
00118	ONVE J TO SVNO.	
00119	MOVE SV3 (J. 2) TO PORT2.	
00120	MOVE SV3 (J, 3) TO PORT3.	
00121	MOVE SV3 (J, 4) TO PORT4.	
00122	MOVE SV3 (J, 5) TO PORTS.	
00123	MOVE SV3 (J, 6) TO PORT6.	
00124	MOVE SV3 (J. 7) TO PORTT.	
00125	MOVE SV3 (J, 8) TO PORT8.	
00126	MOVE SV3 (J, 9) TO PORT9.	
00127	MOVE SV3 (J, 10) TO PORTIO.	
00128	MOVE SV3 (J, 11) TO PORT11.	
00129	MOVE SV3 (J, 12) TO PORT12.	
00130	WRITE LIT FROM SVLINE AFTER 2.	
00131	SVTOP.	
00132	WRITE LIT FROM SYTOPI AFTER O.	
00133	WRITE LIT FROM SVTOP2 AFTER 3.	
00134	WRITE LIT FROM SVTOP3 AFTER 1.	
00135		CM000095
00136		. CN000095
00137	072060 STOP RUN.	CH000095

1 ---

•			
00001		ENTIFICATION DIVISION.	CM000095
00,002 .	.001020 PR	DGRAM-10. 'CH000095'.	CM000Q95
00003	001030 AU	THOR. ROSE.	CM000095
00004	001040 EN	VIRONMENT DIVISION.	CM000095
00005	001050 CD	UGRAM-10. "CHOUDUSS". ITHOR. ROSE. VIRONMENT DIVISIDN. NFIGURATION SECTION. URCE-COMPUTER, IBM-360 H50. JECT-COMPUTER. 18M-360 H50. PUT-DUTPUT SECTION.	CM000095
00006	001060 "SDI	URCE-COMPUTER, IBM-360 H50.	CM000095.
00007	001070 08	JECT-COMPUTER. 18M-360 H50.	CM000095
00008	00.10.80_ INI	PUT-DUTPUT SECTION.	CM000095
00009	001000 ET	I F_CONTROL	CHAAAAAS
00010	_ 001100	SELECT. BFILE ASSIGN. BFILE UTILITY.	CM000095_
00011	001110	SELECT HOOK ASSIGN "HOOK" UTILITY.	CM000095
00012	001120	SELECT HOOK ASSIGN 'HOOK' UTILITY. SELECT CFILE ASSIGN 'CFILE' UTILITY.	CM000095
00013	001130	SELECT CARD ASSIGN CARD, DITELLA	CHUUUUU
00014	001140	SELECT LIST ASSIGN 'LIST' UTILITY.	C4000095 _
00015	001150	SELECT DCARD ASSIGN *DCARD* UTILITY.	CM000095
00016	001170 0A	TA DIVISION.	CM000095
00017	001180 FII	SELECT LIST_ ASSIGN 'LIST' UTILITY. SELECT DCARD ASSIGN 'DCARD' UTILITY. TA DIVISION. LE SECTION.	CM000095
00018	002010 FD	LE SECTION. BFILE RECORD CONTAINS 80 CHARACTERS	CM000095
91000	002020	LABEL RECORDS ARE STANDARD	CM000095
00020	002030	RECORDING MODE IS F	CM000095
00021	002040	BLOCK CONTAINS 45 RECORDS	CM000095
00022	002050	DATA RECORD IS BEIL.	CM000095_
00023	002060 01	BFIL.	CM000095
00024	002070	02 B1 PICTURE X(5).	CH000095_
00025	002080	02 83.	CM000095
00026	002090	O3 B3A PICTURE XX.	CM000095
00027	002100	O3 B3B PICTURE XXX.	CM000095
85000	002110	LE SECTION. BFILE RECORD CONTAINS 80 CHARACTERS LABEL RECORDS ARE STANDARD RECORDING MODE IS F BLOCK CONTAINS 45 RECORDS DATA RECDRD IS BFIL. BFIL. 02 B1 PICTURE X(5). 03 B3A PICTURE XX. 03 B3B PICTURE XXX. 04 PICTURE X(24). 05 PICTURE X(4). 06 FILLER PICTURE X(42). LIST RECORDING F BLOCK 12 RECDRD RECDRD 132 LABEL RECURDS DMITTED DATA RECORD LII.	CM000095
00029	002130	02 B5 PICTURE X(4).	CM000095
00030	002140	02 FILLER PICTURE X(42).	CM000095
00031	002150 FD	LIST RECORDING F BLDCK 12 RECDRDS RECDRD 132	
00032	002160	LABEL RECURDS DMITTED DATA RECORD LIT.	CM000095
00033	002170 01		
00034	003010 FO	CFILE RECURD CONTAINS 80 CHARACTERS LABEL RECURDS ARE STANDARD RECORDING MDDE IS F BLDCK CONTAINS 45 RECURDS DATA RECORD IS CFIL. CFIL. 02 C1 PICTURE X(4). 02 C2 PICTURE 9. 02 C3 PICTURE X(7). 02 C4 PICTURE X(11).	CM000095
00035	003026	LABEL RECURDS ARE STANDARD	CM000095
00036	003030	RECORDING MODE IS F	CM00.0095
20037	003040	BLDCK CONTAINS 45 RECURDS	CM000095
00638	003050	DATA RECORD 15 CFIL.	CM000095
00039	003060 01	CFIL.	CM000095
00040	003070	02 C1 PICTURE X(4).	CM000095
00041	003080	02 C2 PICTURE 9.	CM000095
00042	003090	92 C3 PICTURE X(7).	CM000095
00043	003100	OZ C4 PICTURE X(11).	CM000095
20044	C0311C	02 C5 PICTURE X(9).	CM000095
00045	003120	02 C5 PICTURE X(9).	CM000095
20045	00 31 30	02 C7 PICTURE X(7).	CM000095
00047	003140	02 C8 PICTURE X(4).	CM000095
00047	003150	02 C9 PICTURE X.	CM000095
00049	003160	C2 C10 PICTURE X(9).	CM000095
00050	003170	02 C11 PICTURE X(9).	GN000073
00051	003180	02 CIIB PICTURE XXX.	CM000095
00052	003190	02 C12 PICTURE X(6).	CM000095
00053	904310 FD		CM000095
00054	004720	LABEL RECORDS STANDARD DATA RECORD HDK.	CM000095
300.7	O	CHAFF WEGGERS SINGRAND BALA WEGGERS LINK!	CRUUUUTS

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	-		
00055	004030_01	HOK	CM000095
00056	<u> ሰብሬብሬብ</u>	AS ETLIED DICTIDE Y.	CM000095
00057	004050	QZ HPAR PICTURE X(9).	CM000095
00058	004060	02 FILLER PICTURE X(58).	CM000095
00059		02 HUDCPICTURE X(5).	CM000095
00060	004080	02 FILLER PICTURE X(58). 02 HUDC PICTURE X(5). 02 FILLER PICTURE X(25).	CM000095
. 00061	004090	DZ MROBID PICTORE XISS.	1.8000095
00062	004100	02 RHROUT REDEFINES HROUT. 03 HR1. PICTURE X.	CM000095
00063	004110	03 HR1 PICTURE X	CM000095
00064	004120	03 HR2 PICTURE X.	CM000095
	004130	03 HR2 PICTURE X. 03 HR3. PICTURE X. 03 HR43 REOEFINES HR3 PICTURE 9., 03 HR45 PICTURE XX. 03 RHR45 REOEFINES HR45 PICTURE 99. 02 RHRDOUT REDEFINES RHROOUT.	CM000095.
00066	004131	03 HHR3 RECEFINES HR3 PICTURE 9. "	CH00000
20067_	004140	U3 HK45 PICJURE XX.	CHUUUUU95.
8 2000	004141	US KHKAD KEUEFINES HKAD KILIUKE 99.	CM000095
00069	004150	03 HR12 PICTURE XX.	CM000095
	004130	US TIKE PECTURE MAN	CHOOOOS
00071	004190	02 0245 05055 NEC 10245 01CTUDE 000	CHOOOOS
00072	004101	03 HR12 PICTURE XX. 03 HR345 PICTURE XXX. 03 R345 REGEFINES HR345 PICTURE 999. 02 HRDT REGEFINES HROOUT.	CHOOODS
00074	004182		
00075	004182	03 HRD11 PICTURE X. 03 HRD23 PICTURE 99.	CM000099
00074	004194	AZ HOAKE DICTIBE VV	CMUUUUE
00077	004210	OZ FILLER PICTURE X(20).	CM000095
00078	004220	OZ HITEN PICTURE XXXX.	CM000095
00079		OZ HITEM PICTURE XXXX. OZ.FILLER PICTURE X(6). CARD RECORDING F BLOCK LO RECORDS RECORD 80	CM000095
00080	005010 FD	CARD RECORDING F BLOCK TO RECORDS RECORD 80	CM00009
00081	005020	LABEL RECORDS OMITTEDOATA RECORD CAR.	CM000095
00082	005030 01		
00083	005040	OZ FILLER PICTURE X(80). OCARD RECORDING F BLOCK 1 RECORDS RECORD 41 LABEL RECORDS STANDARD OATA RECORD DCAR.	CM000095
00084	005060 FD	OCARD RECORDING F BLOCK 1 RECORDS RECORD 41	CM000095
00085	005070	LABEL RECORDS STANDARD DATA RECORD DCAR.	CM000095
00086	005080 01	DCAR.	CM000095
00087	005090	OCAR. OZ ORL PICTURE X(9).	<u>CM000095</u>
00088	005100	02 FILLER PICTORE X.	CM000095
00089	005110	02 DR2 PICTURE XX.	CM000095
00090	005111	OZ ROR RECEFINES OR2.	CM000095
_0009T	005112	OZ KOR REGEFINES ORZ. O3 ROR1 PICTURE X. :	CM000095
00092	005113	O3 RDR2 PICTURE X.	CM000095
00093	005120	02 FILLER PICTURE X.	CM000095
00094	005130	02 OR3 PICTURE XX. 02 ROR3 RECEFINES OR3.	CM000095
00095	005131	02 ROR3 RECEFINES OR3.	CM000095
00096	005132	03 DR3A PICTURE X. 03 DR38 PICTURE X.	CM000095
00097	005133	03 DR38 PICTURE X.	CM000095
00098	005140	UZ FILLEK PICTURE X.	CM000095
	Q05150	02 DR4 PICTURE XX.	CM000095
00100	005151	02 ROR4 REDEFINES OR4. 03 OR4A PICTURE X.	CMOODOOS
00101	005152 005153		
00102	005160	03 DR4B PICTORE X. 02 FILLER PICTURE X.	CM000095
00104	005170	02 OR5 PICTURE XX.	CM000095
00105	005171	OZ RDR5 REDEFINES DR5.	CM000095
00105	005172	· 03 DR5A PICTURE X.	CMUUUUU
00107	005173	O3 DR5A PICTURE X. O3 DR5B PICTURE X.	CMODODOS
00108	005180	02 FILLER PICTURE X.	CM000095
00109	005190	02 DR7 PICTURE XXX.	CM000095
00110	005191	02 RDR7 REDEFINES DR7.	CMOOOOS
00111		O3 RDR74 PICTURE X.	CM000095
		THE REPORT OF THE PROPERTY OF	The same of the sa

		
00112 005193	03 RDR78 PICTURE 99.	CM000095
00113 005194	OZ RRDR7 REDEFINES DR7.	CM000095
00114 005195	O3 RR7A PICTURE X.	CM000095
00115 005196	03 RR7B PICTURE X.	CM0 000 95
00116 005197	O3 RR7C PICTURE X.	CM000095
00117 005200	02 FILLER PICTURE X	CM000095
00118 005210	02 DR8 PICTURE XXX	
00119 005211	02 RDRB REDEFINES DRB.	CM000095
00120 005212	03 RORBA PICTURE X.	CM000095
00121 005213	O3 RDRSB PICTURE XX.	CM000095
00122 005220	OZ FILLER PICTURE X(10).	CN000095
00123 005230	OZ DR6 ,PICTURE XX.	CM000095
00124 023010 WD	DRKING-STORAGE SECTION.	CM000095
00125 023020 77	J PICTURE 999.	CM000095
00126 023030 77	K PICTURE 999.	CM000095
00127 023040 77	SW1 PICTURE 9 VALUE 0.	CM000095
00128 023050 77	MSHI PICTURE 9 YALUE 0.	CMQ00095_
00129 023060 77		CM000095
00130 023070 77	MSW3 PICTURE 9 VALUE 0.	CM000095
00131 023080 77	/ NEG-SW PICTURE 9 VALUE 0.	CM000095
00132 023090 77	JJ PICTURE 999 VALUE O.	CH000095
00133 023100 77	/ JECT PICTURE 99 VALUE 50.	CM000095
00134 023110 77	KK PICTURE 999 VALUE 0.	CM000095
00135 77	I JKT PICTURE Y VALUE SPACE.	
77		
00137 **007010 01		CM000095
00138 007020	QZ_SCAT OCCURS50	CMQQ0095
00139 007030	03 SC1 PICTURE XXX.	CM000095
00140 007040	03 SC2 PICTURE X(9).	
00141 007050	03 SC3 PICTURE XXX.	CM000095
00142 007060	03 SC4 PICTURE X(9)	CM000095
00143 007070	D3 SC5 PICTURE X191.	CM000095
. 00144007080.	03 SC6 PICTURE X(9).	
00145 007090	03 SC7 PICTURE X(9).	CH000095
00146 <u> </u>	03 SC8 PICTURE X(9).	CM000095
00147 007110	03 SC9 PICTURE X(10).	
00148007120		
00149 008010 01		CM000095
00150008020		CM000095
00151 00803C	03 MT1 PICTURE X OCCURS 14. 03. MT2 PICTURE XX OCCURS 14	CN000095
00152	_ 03. HT2 PICTURE XX OCCURS 14	
00153 008050	03 MT3, PICTURE X(9) DCCURS 14.	CM000095
_ 00154_		CM000095
00155 008070	03 MT5 PICTURE X(9) DCCURS 14. 03 MT6 PICTURE X(9) DCCURS 14.	CM000095
00156 008080	O3 MT6 PICTURE X(9) OCCURS 14.	
00157 008090	03 MT7 PICTURE X[9) OCCURS 14 03 MT8 PICTURE X(9) OCCURS 14	CM000095
00158008100	03 MTB PICTURE X(9) OCCURS 14	CM000095
00159 008110	03 MT9 PICTURE X(9) OCCURS 14.	CM000095
_ 00160008120	03. MT10PICTURE . X(1Q) _ OCCURS 14	CM000095
00161 008130	O3 MT11 PICTURE X(14) OCCURS 14.	CM000095
00162 009010 01	OSTABLE.	CM000095 CM000095 CM000095
00163 009020 00164 009030	02 DSTBL OCCURS 6. 03 DS1 PICTURE X OCCURS 36.	CM000095
	AS ACS DICTURE MY DECURE ST	5455555
00165 009040 . 00166 009050	03 OS2 PICTURE XX DCCURS 36.	CM000095 CM000095
00167 009060	03 OS4 PICTURE XXX OCCURS 36.	
00168 009070		CM000095
00109 003010	03 DS5 PICTURE X191 OCCURS 36.	CM000095

00169	G09080	03 0	S6 PIC	TURE XI	OCCURS	36	CM000095
00170	009090	03 0	S7 PIC	TURE X(OCCURS		
00171	009100	03 0	S8 PIC	TURE, X(91 OCCURS.	36. 36	CM000095
00172	009110			TURE XIS	OCCURS	36. 36.	CM000095
00173	G 0 9120	03 0	SIO PIO	TURE X(10) OCCURS	36	_CM000095_
00174	009130	03 0	SII PIC	TURE X((4) OCCURS	36.	CM000095
00175	010010 01	MCTABLE.					_CM000095
00176	010020	02 MCTBL					
00177	013030				X DCCURS_	100.	_CMOQQQ095
00178	010040			TURE XIS	9) OCCURS	100. 100. 100.	CH000095
00179	01 0050			TURE . XX	K. OCCURS	100.	CM000095
00180	010060			TURE XX	OCCURS	100.	CM000095
00181	010070				9) OCCURS	_100.	CM000095
00182	010080			TURE XX	OCCURS	100. 100. 100.	CM000095
00183	. 01009Q	03 /		TURE X	91_ OCCURS_	100.	_CM000095
00184	010100			TURE XX	OCCURS	100.	CM000095
00185	01011.0			TURE X(91 1177711125	LDD.	CMBBBBBB
00186	010120 010130	03 M		TURE XX	OCCURS	100.	CM000095
.00187	010136	. 03		TURE X	9) OCCURS	100•	_CM000095
00188	010140	03 8	C12 PIC	TURE XX	OCCURS	100. 100. 100.	CM000095
00189	010150			TURE XL	OCCURS	100.	CHOODOGS
00190	010160			TURE . XI	10) OCCURS	100.	CM000095
00191	010170			TURE, XI	14) OCCURS	100.	CM0000032
00192 00193	010180 011080 01	ODTABLE.	1C16 PIC	TURE XX	X OCCURS	100.	CMUUUUU95
00194	011080 01	02 DI00L	E OCCURS				
00195	011100			TURE X	OCCURS	100	
00196	011110			TURE XX	OCCURS	ton.	
00197	011120			TURE X		100	
00198	011130			TURE XX		100.	
00199	. 011140 .			TURE XX	OCCURS	100	
00200	011150			TURE XI		100.	
00201	011160	03 0		TURE XX	OCCURS	100. 100. 100.	
00202	011170	03 0		TURE X		100.	
00203	011180	03 (09PIC	TURE XX	OCCURS	100.	
00204	011190	03 (010 PIC	TURE X		100.	
00205	011201 01	DOTAB2.				1001	
00206	011202	02 0A0 0L	E DCCURS	1.			
00207	**011200	03 (TURE XX	OCCURS	100.	•
00208	011210		D12 PIC	TURE X	9) OCCURS		
00209	011220	_ 03 (013 PIC	TURE XX	OCCURS	100.	
00210	011230	03 [014 PIC	TURE XI	9) OCCURS		
00211	011240	03(D15 PIC	TURE XI	10) OCCURS	100.	
00212	011250	03 (D16 P10	TURE XI	14) OCCURS	100.	
00213	011260	03 (00SN P.IC	TURE_X .	OCCURS	100.	
- 00214	012010 01	SRTABLE.					CM000095
00215	01,2020	02 SRTAR	OCCURS	4.			_CM000095
00216	012030			TURE X	OCCURS		
00217	012040			TURE XX	OCCURS	8	CH000095
00218	012050			TURE XI	9) OCCURS	6.	CM000095
	012060		R4 PIC	TURE. XX	X OCCURS.	6. 6. 8.	CH0000095
00220	012070			TURE XI	9) OCCURS	8.	CM000095
00221	. 012080	. 03 9	R6PIC	TURE _ X(9) OCCURS	8	CM000095
00222	012090	03 9	R7 PIC	TURE X	9) OCCURS	8.	CM000095
00223	012100	03 9	RBPIC	TUREX.	91OCCURS	8+	CM000095
00224	012110	03 9	R9 PIC	TURE XI	9) OCCURS	8.	CM000095
00225	012126	. 03 \$	RIO PIC	TURE X	10) OCCURS	8	.CHQQQQ9,5

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00226	_012130	03 SR1	1 PICTO	URE X(14) OCCURS 8.	CM000095
00227	012140	03 SRS	N PICTO		CM000095
00228	013010 01	SCLIST.			CHQ00095
00229	013020	02 FILLER	PICTURE	XIS) VALUE SPACE.	CM000095
	013030		PICTURE .		'CM000095
00231	013040	02 FILLER	PICTURE	XXXXXX VALUE SPACE.	, MI V.M.M. C.Z.,
00232	013050	OZ LSCZ	PICTURE	X(9).	CM000095
00233	013060	02 FILLER	PICTURE	XXXX VALUE SPACE.	TRITATO CIS
00234	G13070	02 LSC3	PICTURE	XXX.	CHOOOOS
00235	013080	02 FILLER	PICTURE	XXX. XALUE SPACE.	CM000095
	013090		PICTURE		CH000095_
00237	013100	02 FILLER		XXXX VALUE SPACE.	CM000095
	. 013110				
00239	013120	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095_ CM000095
00239		02 LSC6			
00240	013130	02 FILLER	PICTURE _	X(9). XXXX VALUE SPACE.	CM000093
	013140				
00242.	.013150		_PICTURE		CM0000.9.5_
00243	013160	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00244 _	013170	02 LSC8	PICTURE.	X(9)	CM000095
00245	013180	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00246	013190	. 02 , LSC9	PICTURE	X(10).	CM000095
00247	013200	02 FILLER	PICTURE	XXXX VALUE SPACE.	
00248.	013210	02 LSC 10	PICTURE	X(14)	_CM000095
00249	013220	02 FILLER	PICTURE	X(5) . VALUE SPACE.	1
00250	014010 01	MTLIST.	·		CM000095_
00251	014020	02 FILLER	PICTURE	X(5) VALUE SPACE.	CM000095
.00252_	014030 _	02 . LMT1	PICTURE	X	_CM000095_
00253	014040	02 FILLER	PICTURE	XX VALUE SPACE.	CM000095
00254	014050	02 LMT2	PICTURE	99.	
00255	014060	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00256	014070	O2 LMT3	PICTURE	X19).	CM000095
00257	014080	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00258	014090	02 LMT4	PICTURE	XXX.	CM000095.
00259	014103	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00260	014110	02 LMT5	PICTURE	X(9).	. CM000095
00261	01412C	02 FILLFR	PICTURE	XXXX VALUE SPACE.	CM000095
00262	014130	02 LMT6	PICTURE	X19).	CM000095
00263	014140	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00264	014150	OZ' LMT7	PICTURE	X(9).	CM000095
00265	014160	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00266	014170	02 LMT8	PICTURE	X(9).	CM000095
00267	31418C	02 FILLER	PICTURE	XXXX VALUE SPACE	CM000095
00269	014190	O2 LMT9	PICTURE	X(9).	CM000095
00269	014200	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00270	014210	02 I.MTIO	PICTURE	X110).	. CMO00095_
00271	014226	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00272	014230	02 L4T11	PICTURE	X(14).	CM000095_
00273	C1424C	02 FILLER	PICTURE	XIS) VALUE SPACE.	
00274	015010 01	OSLIST.		. 144 71	_ CM000095_
00275	015020	G2 FILLER	PICTURE	X(5) VALUE SPACE.	CM000095
00276	015030	02 LOS1	PICTURE		_ CM000095.
00277	C15040	G2 FILLER	PICTURE	XX VALUE SPACE.	CM000095
00279	C1575C	02 LJ\$2	PICTURE	99.	. CM000095_
00274	0150AC	O2 FILLFR	PICTURE	XXXX VALUE SPACE.	CH000095
00230	015070	C2 LNS3	PICTURE	XI9).	.CM000095
00281	C15080	C2 FILLFR	PICTURE	XXXX VALUE SPACE.	CM000095
. 00282	015090	C2 LOS4	PICTURE	xxx.	CM000095

	_				
_00283 _	015100	02 FILLER	P1CTURE	XXXX VALUE SPACE	CHOOODE
00284	015110	02 LOSS	PICTURE	X(9).	
00285	015120	02 FILLER		XXXX VALUE SPACE.	CMODOOS
00286	015130	02 LOS6	PICTURE	X(9).	CN000095
00287	015140	. 02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00288	015150	02 LOS7	PICTURE	X(9).	CMOOOOS
00289	015160	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00290	015170	02 LOS8	PICTURE	X(9).	CM000095
00291	015180	02 FILLER	PICTURE	XXXX VALUE SPACE.	CM000095
00292	015190	02 LOS9	PICTURE	X[9].	CN000095
. 00293	015200	02 FILLER	PICTURE.	XXXX VALUE SPACE.	_CM000095
00294	015210	02 LOS10	PICTURE	X(10).	CM000095
00295	015220	02 FILLER	PICTURE.	XXXX VALUE SPACE.	CM000095
00296	015230	02 LOS 11	PICTURE	vf141	CHAMADAGE
00297	015240	02 FILLER	PICTURE	X(5) VALUE SPACE.	
00298	016010 01	MCLIST.			CM000095
00299	016020	_02EILLER_		X(5.) VALUE SPACE	CH000095 .
00300	016030	02 LMC1	PICTURE	999.	CM000095
00301	016040			XXXX VALUE SPACE.	
00302	016050	O2 LMC2	PICTURE	X19).	CM000095
00303	016060	02 FILLER	PICTURE	XX VALUE SPACE.	<u>CM000095</u>
00304	016070	O2 LMC3	PICTURE	XXX.	CM000095
00305_		02_FILLER	PICTURE	XX . VALUE SPACE	CM000095 _
00306	016090	02 LMC4	PICTURE	XX.	CMOOOOS
00307	01,61,00	02 FILLER	PICTURE	XX VALUE SPACE.	CM000095
00308	016110	02 LMC5	PICTURE	X[9].	CM000095
00309	016120	OZ FILLER		XX VALUE SPACE.	_ CM000095
00310	016130	02 LNC6	PICTURE	XX.	CM000095
_0 <u>03</u> 11	016140		PICTURE	XX . VALUE SPACE	CM000095
00312	016150	02 LMC7	PICTURE		
00313	016160			XX VALUE SPACE	_ CM000095
00314	016170	02 LMC8	PICTURE	XX.	CM000095
00315	016180	OZ FILLER		XXVALUE_SPACE	. CM000095
00316	016190	02 LMC9	PICTURE	X19).	CM000095
.00317	016200	02FILLER_		XX VALUE SPACE.	_ CM000095
00318	016210	02 LMC10	PICTURE	XX.	CM000095
00319	016220		PICTURE	XX VALUE SPACE.	CM000095
00320	016230	02 LMC11	PICTURE	XI9).	CM000095
00321,	016240	02 FILLER	PICTURE	XX VALUE SPACE.	_ CM000095
00322	016250	02 LMC12	PICTURE		
00323	017010	02 FILLER	PICTURE	XX VALUE SPACE.	. CM000095
00324	017020	02 LMC13	PICTURE	X(9).	CM000095
00325	017030	OZ FILLER	PICTURE	XXVALUE_SPACE.	CM0000095
00326	017040	02 LMC14	PICTURE	XIIO). XX VALUE_SPACE	CM000095
	017050	02 . FILLER	PICTURE	XX VALUE_SPACE X(14).	
00328	017060	02 LMC15	PICTURE		CM000095
00330	_017070 017080	02 FILLER 02 LMC16	PICTURE	XX VALUE SPACE.	. CM000095
	017080		PICTURE		CM000095
00332	019020	02 FILLER	PICTURE	XI4) VALUE SPACE.	_ CM000095
00332	_019020	02 FILLER	PICTURE	Z.	CH000095
00334	019040	02 FILLER	PICTURE	XX VALUE SPACE.	
00335	019050	02 LDD2	PICTURE		
00336	019060	02 FILLER	PICTURE	XX VALUE SPACE.	CM000095
00337	019070	02 LDD3	PICTURE		CM000095
00338	019080	02 FILLER	PICTURE	XX VALUE SPACE.	CM000095
00339	019090	02 LDD4	PICTURE	XXX.	CM000095
4032,	-1.0.0				54000093

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00340	019100	OZ FILLER PICTURE XX YALUE SPACE.	CM000095
00341	019110		
00342	019111	02 FILLER PICTURE X VALUE SPACE.	
00343	019120	02 FILLER PICTURE XX. 02 FILLER PICTURE X YALUE SPACE. 02 FILLERI PICTURE XX VALUE SPACE.	CM000095
	019130		CWOOO032
00345	019140 019150	02 FILLER PICTURE X VALUE SPACE. 02 LOD7 PICTURE XX.	CHOOLOGE
00346 00347	019151	02 FILLER PICTURE X VALUE SPACE.	CUO00033
00348	019160	02 FILLER2 PICTURE XX VALUE SPACE.	CMODOOS
00349	019170	02 FILLER2 PICTURE XX VALUE SPACE. 02 LOD8 PICTURE X(9).	CH000095
00350	019180	02 FILLER PICTURE X VALUE SPACE.	00000
00351	019190	AZ LANG BICTURE VV	CM000095
00352	019191	02 FILLER PICTURE X VALUE SPACE. "	
00353	019200	02 FILLER3 PICTURE XX VALUE SPACE. 02 LDD10 PICTURE X(9).	CM000095
00354	019210	02 LDD10 PICTURE X(9)	CM000095
00355	019220	UZ FILLEK PICTUKE X VALUE SPACE.	
00356	019230	02 LODII PICTURE XX.	CM000095_
00357	019231 .	02 FILLER PICTURE X VALUE SPACE.	
00358	019240	02 FILLER4 PICTURE XX VALUE SPACE.	CM000095
00359	019250	02 LDD12 PICTURE X(9)02 _F1LLER_PICTURE_X_VALUE_SPACE	CM000095
00360	0200 LO	_OZ_FILLER_PICTURE_X_VALUE_SPACE.	
00361	020020 020021		CM000095
00362 00363	020021	02 FILLER PICTURE X VALUE SPACE. 02 FILLER5 PICTURE XX VALUE SPACE.	CM000095
00364	020040	02 LODI4 PICTURE X(9).	CMQ00095
00365	020050	AS ETITED DICTIDE & VALUE COACE	
00366	020060	02 LOQ15 PICTURE X(10).	CM000095
00367	020070	02 LOQ15 PICTURE X(1Q). 02 FILLER PICTURE XX VALUE SPACE. 02 LOQ16 PICTURE X(14).	CM000095
00368	020080	02 LDD16 PICTURE X(14).	CM000095
00369	020090	02 FILLER PICTURE XXX VALUE SPACE.	CM000095
00370	022080 01	HEADHCDD.	CM000095
00371	022090	02 MCDO PICTURE X(12) VALUE 4 SCAN 1.	CM000095
00372		OZ FILLER PICTURE X1113) VALUE PARAMETER UNIT CODE	LDAQCHQQQQ95
00373	022110-	CODE LOAD CODE LOAO CODE LOAO CODE	LDADCH000095
00374	022120-	REFERENCE REMARKS'.	CM000095
00375	022130	02' FILLER PICTURE X(7) VALUE SPACE.	CH000095
00376	023Q1Q_Q1_	DDAS-HD.	
00377	023020	O2 FILLER PICTURE X(48) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE *DIGITAL DATA ACQUISIT.	10u c
00378 00379	023030 023040-	OZ FILLER PICTURE X(31) VALUE *DIGITAL DATA ACQUISIT	LUM 3
00380	023050	OZ FILLER PICTURE X(32) VALUE SPACE.	
00381	023060	02 FILLER PICTURE X(14) VALUE "SHEET OF R".	
		02 FILLER PICTURE X(7) VALUE SPACE.	
	**021010 01	SRLIST.	CM000095
00384	021020	02 FILLER PICTURE X(5) VALUE SPACE.	CM000095
00385	021030	O2 LSR1 PICTURE X VALUE SPACE.	
00386	021040	02 FILLER PICTURE XX VALUE SPACE.	CM0.00095_
00387	021050	02 LSR2 PICTURE 99.	CM000095
00388	021060	02 FILLER PICTURE XXXX YALUE SPACE.	
00389	021070	O2 LSR3 PICTURE X(9). '	CM000095
00390	021080	02 FILLER PICTURE XXXX VALUE SPACE.	
16500	021090	02 LSR4 PICTURE XXX.	CM000095
00392_	021100	02 FILLERA PICTURE XXXX VALUE SPACE.	
00393	021110	O2 LSR5 PICTURE X(9). O2 FILLERB PICTURE XXXX VALUE SPACE.	CM000095
00394 · 00395	021120 021130	OZ FILLERB PICTURE XXXX VALUE SPACE. OZ LSR6 PICTURE X(9).	CM000095 CM000095
00396	021140	02 FILLERG PICTURE XXXX VALUE SPACE.	
5037 <u>0</u>	021140	AF LIFFEDA LIPÍNE" VÜVV SUFAE SEFE.	

00397	021150	02 LSR7 PICTURE X19). 02 FILLERO PICTURE XXXX VALUE SPACE. 02 LSR8 PICTURE X19). 02 FILLERE PICTURE XXXX VALUE SPACE. 02 LSR9 PICTURE X(9). 02 FILLER PICTURE XXXX VALUE SPACE. 02 LSR10 PICTURE X(10).	CM0Q0Q95
09398	021160	02 FILLERO PICTURE XXXX VALUE SPACE.	CM000095
00399	021170	O2 LSR8 PICTURE X191.	CM000095
00400	021180	O2 FILLERE PICTURE XXXX VALUE SPACE.	CM000095
00401	021190	OZ LSR9 PICTURE X(9).	CM000095
00402	021200	OZ FILLER PICTURE XXXX VALUE SPACE.	CH000095
00403	021210	02 LSR10 PICTURE X(10).	CM000095
00404	021220		CM000095
00405	021230	OZ LSR11 PICTURE XI14).	CM000095
00406	021240	02 FILLER PICTURE X(5) VALUE SPACE.	
00407	022010	01 HEADSMOS.	CM000095
00408	02202C	02 FILLER PICTURE X(5) VALUE SPACE. 01 HEADSMOS. 02 SCMTD PICTURE X(12) VALUE * ST CH *.	CM000095
00409	022030	OZ FILLER PICTURE X(120) VALUE. P <u>araneter units</u>	NO
CO410	022040-	- "EQUIV RN1 EQUIV RN2 EQUIV RN3 EQUIV RN4 EQUIV	1
00411	022050-	- PREFERENCE REMARKS	
00412	023010	Ol SC-HD.	
00413	023020	72 . 1015 N1131 INCOL 31NOCE	
00414	023030	C2 FILLIE PICTURE X{36} VALUE 'STRIP CHART DATA REDUCT	ON
00415	023040-	· · · · · · · · · · · · · · · · · · ·	
00416	023050		
00417	023060		
00418	023070	OZ FILLER PICTURE XIIO) VALUE SPACE.	-
00419	023090	Ol MT-HO.	
00420	023100	VZ FILLEK PICTURE X1431 VALUE SPACE.	
00421	023110	O2 FLLX PICTURE XI15) VALUE "MAGNETIC TAPE - ".	
00422	023120	02 FLP PICTURE X.	
00423	073130		
00424	023140	OZ FILLER PICTURE XI33) VALUE SPACE.	
00425	023150		
00426	023160	OZ FILLER PICTURE X(10) VALUE SPACE.	
00427	023180		
00428	023190	UZ FILLEK PICTUKE X1331 VALUE SPACE.	
00429	023200		<u> </u>
00430	023210-	- '	
00431	023220		
00432	023230	02 FILLER PICTURE XIL4) VALUE 'SHEET OF R'.	
00433	023240	02 FILLER PICTURE XIT) VALUE SPACE.	
00434	024010	or our lichor	
00435	024020		<u>u</u>
00436	024030-	- 'DN '.	
00437	024040	TO TO THE STATE OF THE CONTROL OF TH	2.5-
00438	024050	UZ SKE PICTURE X1321 VALUE "SANBORN RECORDER DATA RE	OU
00439	024060-	PROCEOURE DIVISION.	
00440			CM000095
	030020	OPEN INPUT CARD OUTPUT PCARD.	CM000,095
00442	030021	OPEN OUTPUT LIST.	
00443	03003C 03004C		. CM000095
00444	030050	RERU CAKU AI ENU GU IU PZ.	CMU00095
00446	030050	GD TD P1.	CM000095
00445	030070		CM000095
00447	030070		¢ოიბიი42_
00448		CLUSE LARU.	
00449 00450	030100	DEBENDA CALCE TO	CM000095.
	030130	PERFURM SPACETIO.	CM000095
00452	**030110	PERFURN DO MITHEWALL DO	_ CM000095
00453	030120	PERFURY DO-U THRU ALL-OG.	CM000095
00473	031010	NUTINA	CM000095

	•	
	1. CLOSE OCARD.	
00455 **03101	KU-MKI.	CHOOOOS
00456 03102	D READ HOOK AT END GO TO HK-END. IF HR3 = "A" MOVE 1 TO N.	LHOUUD95
00457	IF HR3 = "8" MOVE 2 TO N	
	1F HR3 = 'C' MOVE 3 TO N.	
00459		
00460 00461	IF HR3 = "0" MOVE 4 TO N	
_00462	IF HK3 = 'E' MOVE 5 IU N.	
00463 03103	IF HR3 = 'E' MOVE 5 TO NIF HR3 = 'F' MOVE 6 TO N	CMOOOOS
00464 03104	O IF HR12 = 'SC' GO TO MN1. O IF HR12 = 'MT' GO TO MN2.	CM000095
00465 03105	IF HR12 = 'DS' GO TO MN3.	CM000095
00465 03105	D IF HR12 = .'MC!_GO_TO_MN4	CMODODOS
00447 03100	1	CHAAAAAA
00468 03110	O IF HR12 = *00* GO TO MN6. D IE_HR12 = *\$R! .GO TO MN7.	CM0000095
00469 03111	GO TO RO-HKI.	
0047.003113		CMGGGGG
0047003113	MOVE HPAR TO SC2 (R345).	
0047203114		EM000095
	O MNIA.	CM000095
00474 03116		CM0000095
00475 03117		CM000095
00475 03117)	CHOOODS
00477 03120	CO TO CC BOUTE	CHOOODS
0047803121	3 MM2	CMOODOOS
00479	GO TO SC-ROUTE. MN2. MOVE HPAR TO MT3 (N.RHR45). DO OPEN INPUT DCARO.	
0048903122	D_ OPEN INPUT DCARD.	CHROODOE
	MN2A.	CM000095
0048203124		
00483 03125		
00484 03201		CHOOCOSS
00485 03203	A CO TO MY BOUTE	CHAAAAAE
	O MN3.	CMODODOS
00487	MOVE HPAR TO DS3 (N,RHR45).	<u></u>
		CHOOOOS
	DO OPEN INPUT OCARO	CHOOOO99.
		CMODDOOD
	TE ON NOT - WORD OF TO MAZA	CM000095
	D	CMODODAD
00492 032090)	
00493 032119) MN4.	CM000095
00494 C3212	IF R345 < 100 MOVE 1 TO J MOVE R345 TO K GO TO BLUE.	6
00495	IF K345 < 200 SUBTRACT 100 FROM R345 GIVING K MOVE 3_TO J	
30498	GO TO BLUE.	
00493 00499	SUBTRACT 400 FROM R345 GIVING K	
	MOVE 2 TO J. BLUF	
00500 00501	MOVE HPAR TO MC2 (J,K).	
00501		CM000095
		-
	" MN4A.	C#000095
00504 03215		CM000095
00505 037160		CM000095
00506 03217	• • • • • • • • • • • • • • • • • • • •	CM000Q95
00507 03219	THE RESERVE OF THE PERSON OF T	CM000D95
) MN6.	CM000095
00509	MOVE RMA45 TO K.	
00510	IF HHR3 = C AND RHR45 = O MOVE 100 TO K.	

	15 Amar - 4	
00511 00512	IF HHR3 = 0 MOVE HPAR TO 003 (1.K).	
00512	032210 OPEN INPUT DCARD.	M000095
00514		M000095
00515	032230 READ DCARD AT END GO TO MNIZ.	M000095
00516	032240 IS OPI NOT S WDAR GO TO MNAA.	M000095
00517	032250	MQQ0095_
00518	033020 GD TO 00-ROUTE.	M000095
00519	033030 MN7.	M000095
00520	033020 GO TO OO-ROUTE. C 033030 MN7. C MOVE HPAR TO SR3 (HHR3,RHR45).	
00521		
00522	033050 MNTA.	M000095
00523	033060 READ DCARD AT ENO GO TO MNIZ.	
00524		M000095
00525	033080	MVV0092
00527	033100 GO TO SR-ROUTE. 033110 MN1Z. 033120 01SPLAY 'OATA REO. N/A ' OR1. 033140 GO TO RD-HK.	- WOOODE
00528	033120 OISPLAY 'OATA REO. N/A ' OR1.	M000095
00529	033140 GO TO RD-HK.	M000095
00530	034010 SC-ROUTE.	M000095
00531	034011 MOVE 3.1 TD .1.	
00532	034020 PERFORM MTH-RO VARYING K FROM 1 BY 1 UNTIL K > J OR SW1 = 1. C	M000095
0.0533	034070 MDVE 0 TO SW1.	M000095
00534 *	*034030	CM000095
00535	034940 MTH-RD	CM000095
00536	034050	M000095
00537	034050	<u> </u>
00538	034071 COMPUTE K = K - 1.	
00539	034080 IF ROR2 = 'M' MOVE 'MV CALS! TO SCIO (K) GO TO SCRIO	_M0000095
00540 00541	034090 IF ROR2 = "1" MOVE "IN PLACE CALS" TO SC10 (K) GO TO SCR10. C 034100	CMOOOOOO
00542		CM000095
00543	034120 OPEN INPUT CFILE.	
00544	034130 CCP2.	~ MAAAAA 5
00545	034140 READ CFILE AT END GO TO CEND.	M000095
00546	09/150	
00547	034160 IF HPAR_NOT = C5_GO_TO_SCR2.	CM000095.
00548		
_00549	034180 MOVE C10 TO SC4 (K). C 034200 READ CFILE AT END GO TO CEND.	CM000095.
00550	034200 READ CFILE AT END GO TO CEND.	CM000095
00551	034220 HOVE C10 TO SC5 (K).	CM000095_
00552	034200 REAO CFILE AT ENO GO TO CENO. 034220 MOYE C10 TO SC5 (K). 034240 REAO CFILE AT ENO GO TO CENO. 035010 MOYE C10 TO SC6 (K).	CM000095
00553	035010 AUVE CIV TO SEE RY	LMODOUYS.
00554 00555 _		CM000095
00556	035050 MOVE C10 TO SC7 (K) C 035070 READ CFILE AT END GD TO CEND	CM000095
00557	THE PERSON NAMED OF THE PERSON	CM000095
00558	035110 GO TO SCR9.	M000095
00559		CH000095
00560		CH000095
00561_	_035140MOVE_C11 TO SC4 (K).	CH000095
00562	ASSIST BEAN FERRE AT END OF TO CEND	CM000095
00563	035180 MOVE C11 TO SC5.(KL	CM000095
00564		CM000095
00565	_035220'. MOVE C11 TO SC6.(K) (CM000095
00566		CM000095
00567	036010 MOVE C11 TO SC7 (K),	CM000095

00568 036030 READ_CFILE AT_END.GO_TO_CEND	CM000095
00569 036050 MDVE C11 TD SC8 (K).	CM000095
00570 036070 SCR9.	CM000095
00571 0360B0 MOVE C11B TD SC3 (K).	CM000095
00572 036200 CLOSE CFILE.	CM000095 _
UQ573 FFQ36U9U SCR10.	CM000095
00574 036100 IF DR6 = 'CP' MOVE 'CELL PRESS' TO SC9 (K) GO TO SCR11.	CM000095 _
00575 036110 IF OR6 = 'BA' MDVE 'BAROMETER ' TQ SC9 (K) GD TD SCR11.	CM000095
00576 036120 IF DR6 = 'VR' MOVE 'VAC. REF. ' TO SC9 IK! GO TO SCR11.	CM000095
00577 036130 IF OR6 = 'RT' MOVE 'RTT ' TO SC9 (K) GO TO SCR11.	CM000095
00578 036140 IF DR6 = 'CA' MOVE 'CA-150 D-F' TO SC9 (K) GO TO SCRIL.	CM000095
00579 036150 IF DR6 = 'CC' MOVE 'CC-150 O-F' TO SC9 (K) GD TO SCR11.	CM000095
00579 036150 IF DR6 = 'CC' MOVE 'CC-150 O-F' TO SC9 (K) GD TO SCRIL. 00580 036160 IF DR6 = 'IC' MOVE 'IC-150 D-F' TO SC9 (K) GO TO SCRIL.	CM000095 .
AASAL AASITA IF ABS = IFVI MAVE IFVENT TA SCO (K)	CMUUUUU
00582 036180 SCR11.	CM000095_
00583 036190 MDVE HPAR TO SC2 (K).	CM000095
00584 036210 GO TO RD-HK.	CM000095
00585 036220 CEND.	CM000095
00586 036230 DISPLAY '3623'	CM000095
00587 036240 CLDSE CFILE.	CM000095
00588 036250 GQ IO RD-HK.	CM000095 _
00589	CM000095
00590 037020 IF HR3 = 'A' MOVE 1 TO J.	CM000095_
00591 037030 IF HR3 = 'B' MOVE 2 TO J.	CM000095
00592 037040 IF HR3 = 'C' MOVE 3 TO J.	CM000D95
00593 037050 IF HR3 = "0" MDVE 4 TD J.	CM000095
00594 037060 IF HR3 = 'E' MOVE 5 TO J.	CM000095
00595 037070 IF HR3 = "F" MDYE 6 TO J.	CM000095
00596 037080 MOVE RHR45 TO K.	CM000095
00597 037090 IF DR4B = 'M' MOVE 'MV CALS' TD MT11 (J. K) GD TO MTR10.	CM000095
00598 037100 IF OR48 = '1' MOVE 'IN PLACE CALS' TO MILL (J. K)	CM000095
00599 037110 GD TO MTR10.	CM000095
00600 037120 IF DR4B = 'S' MOVE 'SPECIAL CAL' TO MTIL (J. K) GO TO MTRIC	. CM000095
00401 037130 IE DD48 NOT - 191 OTCHLAY 137131 CD TO BO-UK	CHOOODE
00602 037140 OPEN INPUT CFILE.	CM000095
00602 037140 OPEN INPUT CFILE. 00603 037150 MTR1. 00604 037160 READ CFILE AT END GO TO MCEND.	CM000095
00604 037160 READ CFILE AT END GO TO MCEND.	CM000095
00605 037170 IF C9 NDT = '0' GO TO MTR1.	
09606 037180 IF HPAR NOT = C5 GO TO HTRI.	CM000095
NAKAT AZZIGA IE CIA = SDACE GD TO MTD2	CHOOODE
00608 037200 MOVE C10 TO MT5 (J, K).	CM000095
AAAAA A2721A BEAN CETLE AT ENN CO TO MCENN	CMAAAAAA
00610 037220 MOVE C10 TO MT6 11. Kl.	CMQ00095
00610 037220 MOVE C10 TO MT6 (1. K). 00611 037230 READ CFILE AT END GD TO MCEND. 00612 037240 MOVE C10 TO MT7 (J. K). 00613 037250 READ CFILE AT END GD TD MCENO.	CM000095
00612 037240 MDVE C10 TO MT7 (J. K).	CM000095
00613 037250 READ CFILE AT ENO GD TD MCENO.	CM000095
00614 038010 MOVE C10 TO MIS (J. K).	CM000095
00615 038020 READ CFILE AT END GO TO MCEND.	CM000095
00616 038030 MOYE C10 TO MT9 (J. K).	CM000095
00617 038040 ' GO TO MTR9. '	CM000095
00618 038050 MTR2.	CM000095
00619 038060 IF C11 = SPACE DISPLAY 'C10 C11 = SPACE' C7 GO TD MCENO.	CM000095
00620 038070 MOVE C11 TO MT5 (J. K). 00621 038080 READ CFILE AT END GD TO MCEND.	CM000095
	CHAAAAAE
00621 038080 READ CFILE AT END GD TO MCEND.	
00621 038080 READ CFILE AT END GD TO MCEND. 00622 038090 MOVE Cll TO MT6 (J. K).	CM000095
The state of the s	CM000095

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READ CFILE AT END GO TO MCENO.
00625
         038120
                                                                                                CM000095
00625
         038130
                       MOVE C11 TO MT8 (J, K).
                                                                                                 CM000095
        .038140 ...
00627
                       READ CFILE AT END GO TO MCEND.
                                                                                                 CM000095
                       MOVE CIL TO MT9 (J, K).
         038150
00628
                                                                                                 CM000095
00629
         038160 HTR9.
                                                                                                 CM000095
                      MOVE CILB TO MT4 (J. K).
00630
         038170
                                                                                                 CMOOOOS
         039120
                                                                                                 CM000095
00631
                       CLOSE CFILE.
00632 **039010 MTR10.
                                                                                                 CM000095
                      IF OR6 = 'CP' MOVE 'CELL PRESS' TO MTIQ (J. K) GO TO MTRIL, CM000095
IF OR6 = 'BA' MOVE 'BAROMETER' TO MTIQ (J. K) GO TO MTRIL. CM000095
IF OR6 = 'VR' MOVE 'VAC. REF. ' TO MTIQ (J. K) GO TO MTRIL. CM000095
00633
         039020
00634
         039030
         039040
00635
                      IF OR6 = 'VR' MUVE 'VAL. REF. : 10 MILO (J. K) GO TO MIRIL. CM000095

IF OR6 = 'CA' MOVE 'CA-150 D-F! TO MILO (J. K) GO TO MIRIL. CM000095

IF OR6 = 'CC' MOVE 'CC-150 O-F! TO MILO (J. K) GO TO MIRIL. CM000095

IF OR6 = 'CC' MOVE 'CC-150 O-F! TO MILO (J. K) GO TO MIRIL. CM000095
00636
         039050
00637
         039060 ....
00638
         039070
                       IF DR6 = 'IC' MOVE 'IC-150 D-F!
IF OR6 = 'EV' MOVE 'EVENT
00639
         039080
                                                              TO MT10 (J. K) GO TO MTR11. CM000095
                                                              TO MT10 (J. K).
00640
         039090
                                                                                                 CM000095
00641
                                                                                                 CM000095
         03910Q MTR11.
                      MOVE HPAR TO HT3 (J. K).
00642
         039110
                                                                                                 CM000095
00643
         039130
                       GO TO RD-HK.
                                                                                                 CM000095
00644
         039140 MCENO.
                                                                                                 CM000095
00645
         039150
                      01SPLAY 139151.
                                                                                                 CM000095
00646
                       CLOSE CFILE.
         039160
                                                                                                 CM000095
00647
         039170
                       GO TO RD-HK.
                                                                                                 CM000095
0064B
         040010 OS-ROUT.
                                                                                                 CM000095
00649
         040020
                       IF HR3 = 'A' MOVE I TO J GO TO OSR1.
                                                                                                 CM000095
00650
                       IF HR3 = 'B' MOVE 2 TO J GO TO OSR1.
                                                                                                 CM000095
         240030
                      IF HR3 = 'C' MOVE 3 TO J GO TO OSRI.
IF HR3 = 'D' NOVE 4 TO J GO TO OSRI.
IF HR3 = 'E' MOVE 5 TO J GO TO OSRI.
00651
         040040
                                                                                                 CM000095
00652
         240050
                                                                                                 CM000095
00653
         040060
                                                                                                 CM000095
00654
         040070
                       IF HR3 = 'F' HOVE 6 TO J.
                                                                                                 CM000095
00655
         040071 DSR1.
                                                                                                 CM000095
                       IF RHR45 > 34 OISPLAY 'OS-ROOT > 34' HROOUT GO TO RO-HK.
00656
         040080
                                                                                                 CM000095
         040090..
                       MOVE RHR45 TO K.
00657
                                                                                                 CM000095
                       IF OR3B = 'M' MOVE 'MY CALS' TO OS11 (J, K) GO TO OSR10.
00658
         040100
                                                                                                 CM000095
                       IF OR3B = 'I' MOVE 'IN PLACE CALS' TO OSLI (J. K) GO TO
00659
         040110
                                                                                                 CH000095
00660
         C40120
                        OSRIO.
                                                                                                 CM000095
00661
         040130
                       IF OR38 = "S" MOVE "SPECIAL CAL" TO OS11 (J, K) GO TO OSR10. CM0000095
00662
         040140
                       IF DR3B NOT = 'R' OISPLAY '4014' OR3 GO TO RD-HK.
                                                                                                 CH000095
                       OPEN INPUT CFILE.
00663
         040150
                                                                                                 CM000095
00664
         040160 OSR2.
                                                                                                 CM000095
00665
         040170
                       READ CFILE AT ENO GO TO OSCENO.
         040180
                       IF C9 NOT = '0' GO TO OSR2.
00666
                       IF HPAR NOT = C5 GO TO OSR2.
00667
         040190
                                                                                                 CM000095
                       IF CIC = SPACE GO TO OSR3.
8 8 8 9 0
         040200
                                                                                                 CM000095
                       MOVE CLO TO OSS (J. K)
         040210
00669
                                                                                                _CM000.095_
                       READ CFILE AT ENO GO TO OSCENO.
00670
         040220
                                                                                                 CH000095
00671
         040230
                       MOVE C10 TO OS6 (J, K)
                                                                                                 CM000095
00672
         040240
                       READ CEILE AT END GO TO OSCEND. .
         040250.
                       MOVE CIO TO OST (J, K). _____READ CFILE AT ENO GO TO OSCENO.
00673
                                                                                                 CM000095
00674
         041010
                                                                                                 CM000095
00675...
                       MOVE C10 TO OSB (J. K).
READ CFILE AT END GO TO OSCENO.
         041920
                                                                                                 CM000095
00676
         041030
                                                                                                 CH000095
00677 4 041040
                       CM000095
00678
         041050
                       GO TO OSR9.
                                                                                                 CM000095
00679
          041060 OSR3.
                                                                                                 CM000095
                       IF CIL = SPACE DISPLAY '4107' C7 GO TO OSCENO.
08800
         041070
                                                                                                 CM000095
00681
         041080
                       MOVE CLI TO OSS (J, K).
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00683
      041100
              MOVE CII TO OS6 (J, K).
                                                             CM000095
             READ CFILE AT END GO TO OSCEND. CM000095
00684 041110
00685
              MOVE CIT TO DS7 (J. K).
                                                             CM000095
00686, .041130 ...
00687 041140
              READ CFILE AT END GO TO OSCENO. ... _____ CMQ00095.
              MOVE CII TO DS8 (J. K).
      041150 ___ READ CFILE AT ENO GO TO OSCEND. _______CM000095
00689
                                                             CMODODOS
00689
      041160
              MOVE CII TO DS9 (J. K).
                                                          CM000095
00690 041170 0SR9.
              MOVE CITE TO OS4 (J. K).
00691
                                                             CM000095
              CLOSE CFILE.
00692
      042120
                                     042100 ODPS.
0070,2.
      042110
00703
                                                       _____CM000095
_____CM000095
              GD_TO RD-HK. _ _____
00704 . 04213C
00705
      042140 USCEND.
              DISPLAY 142151 _____ CH000095
00706
      042150
              CLOSE CFILE.
                                                             CM000095
00707
      042160
    __ 942170
              GO. TO RD-HK. ..
                                                         __ __ CM0.00095
00708
      043010 MC-ROUTE.
                                                         CM000095
CM000095
00707
00710 043020 IF R345 < 100 MOVE 1 TO MSW1 J MOVE R345 TO K GO TO MCR1. CM000095
     043050
043040
043050
              20712
00713
00714
      043060
C43070
00715
00715
      043080
                                                            CM000095
09717
      043090 MCR1.
              COMPUTE K = K + 1
00718
      043091
            IF 0R58 = 'M' GO TO MCR2.

IF 0R58 = 'I' MOVE '(N PLACE CALS' TO MC15 (J. K)
20719
                                                            CMODAGES
      043160
00720
      043110
                                                             CMAAAAAAS
                                                            CM000095
00721
      043120
                 GO TO MCR10.
C0722
              IF DR58 = 'S' MUVE 'SPECIAL CAL' TO MC15 IJ, K) GO TO_MCR10. CM000095
      043130
              THE DRSB NOT = 'R' DISPLAY '4314' DRS GU TO RO-HK. CM000095
00723
      04314C
00724
      043150
00725
                                                            CM000095
      043160 MCR3.
              READ CFILE AT ENO GO TO MCCEND.
                                                            CM000095
      043170
00726
              IF C9 NOT = '0' GO TO MCR3.
00727
      043180
              (F HPAR NOT = C5 GO TO MCR3.
                                            .... ... ... . CM000095
00729
      043190
00729
      0432CC
              IF DR5A = '1'
                 00730
     043210
00731
      043220
                                            043230
00732
00733
      043240
                                                     .... _ CM000095_
00734
      243250
00735
      044013
                 GO TO MCR4.
                                                             CM000095
              IF DA5A = "2" ()R "3"
MOVE "25" TO MC4 (J. K)
00736
      044020
                                                            CM000095
00737
      044030
                                                            CM000095
                 MUVE '26' TO MC6 (J. K)
00734
      044040
                                                            CM000095
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00739 044050 MDVE 127. TO MCB. (J. K)	CH000095
00740	CM000095
.00741 044070 MQVE '29' TQ MG12 (J. K)	CM000095
00742 C44080 G0 TO MCR4.	CM000095
00743 044090 IF ORSA = '4' 00744 C44100 MOVE '45' TO MC4 (J. K)	
00744 C44100 MOVE '45' TO MC4 (J. K) 00745 <u>044110 MOVE '46' TO MC6 (J. K)</u>	
00746 044120 MOVE '47' TO MCB (J. K)	CM000095
00747 044130 MOVE '48' TO MCIO (J. K)	CHOOODS
00/48 04414C MDVE '49' TO MC12 (J. K)	CM000095
00748 04414C MOVE '49' TO MC12 (J. K) .00749 044150 GO TO MCR4.	CHOOODS
00750 064160 15 0954 - 150	CHOOOGS
00750 044160 IF OR5A = '5' 00751 044170 MOVE '65' TO MC4 (J. K)	CM000095
00752 044180 MOVE '66' TO MC6 (J, K)	CM000095
00753 044190 MOVE \$679 TO MCR (.E. K)	CMOODOS
00754 044200 NDVE *68* TO MC10 (J, K) 00755 044210 NDVE *69* TO MC12 (J, KL	CM000095
00755 044210 MOVE '69' TO MC12 (J. K)	CH000095
00756 044220 GO TO MCR4. CLOSE CELLE.	CM000095
00756 044220 GO TO MCR4. CLOSE CFILE. 00757 044230 01SPLAY '4423' OR5 GO TO RD-HK.	CM000095
00758 045010 MCR4.	CM000095
00759 045020 IF Cl0 = SPACE GO TO MCR5.	CM000095
00758 045010 MCR4. 00759 045020 IF Clo = SPACE GO TO MCR5. 00760 045030 MOVE Clo TO MCS (J. K)	CM000095
00761 045040 . READ CFILE AT END GO TO MCCEND.	CM000095
00762 045050 MOVE C1D TO MC7 (J. K).	CMDDDDD95
00763 045060 READ CFILE AT END GO TO MCCEND.	CM000095
00764 045070 MOVE C10 TO MC9 (J. K).	CM000095
00765 045080 READ CFILE AT END GO TO MCCEND.	CM000095
ANTAK AKENDA MANE CIA TA MCII (L. MI	CHAAAAAA
00767. 045100 READ CFILE AT END GO TO MCCEND.	CM000095
00768 045110 MDVE C10 TO MC13 (J. K).	CM000095
00768 045110 MDVE C10 TO MC13 (J. K). 00769045120 G0 TO MCR9.	CM000095
00110 043130	CM000095
00771 045140 IF C11 = SPACE GISPLAY '4514' C7 GO TO MCCEND.	<u>CM0</u> 000095
	CM000095
00773 C45160 READ CFILE AT END GO TO MCCEND.	CM000095
00774 045170 MOVE C11 TO MC7 (J. K) 00775 045180 READ CFILE AT END GO TO MCCENO. 00776 C45190 MDVE C11 TO MC9 (J. K)	CM000095
00775	CN000095_
00777 045200 READ CFILE AT END GO TO MCCEND.	CMUUUUUYS
30779 C4522C RFAO CFILE AT END GD TO MCCEND.	CM000095
90789 04523G MUVE C11 TO MC13 (J. K).	CMODODAS
00779	CMODOOGS
00782 04525C MOVE C11B TO MC3 (J. K).	CM000095
00783 046120 CLUSE CFILE	
00744 **646019 MCR10.	CM000093
00785 046920 IF DR6 = 'CP' MOVE 'CELL PRESS' TO MC14 (J. K) GD TU MUMP.	CM000095
00786 046030 IF DR6 = 'da' MOVE 'BARDMETER ' TD MC14 (J. K) GO TD MUMP.	CM000095
OC737 246C40 IF DR6 = 'VR' MOVE 'VAC. REF. ' TO MC14 (J. K) GO TO MUMP.	CM000095
00788 046050 IF DR6 = 'RT' MOVE 'RTT ' TO MC14 (J. K) GO TO MUMP.	CM000095
00789 34606) IF DR6 = 'CA' MOVE 'CA-1500-F ' TO MC14 (J, K) GO TO MUMP.	CM000095
C0790 246070 IF DR6 = 'CC' MOVE 'CC-150D-F ' TO MC14 (J. K) GO TO MUMP.	CM000095
00791 046980 [F DK6 = '(C' MOVE 'IC-1500-F ' TO MC14 (J, K) GO TO MUMP.	CM000095
00792 C4609C IF DR6 = 'EV' MDVE 'EVENT ' TO MC14 (J. K).	CM000095
00793 9461C2 YUMP.	CM000095
00794 046110 MUVE HPAR TO MC2 (J, K).	CM000095
00795 C46130 GD TO RD-HK.	CM000095

00796046140 MCCENO. 00797	CM000095 CM000095
70709 044140 015FE4 4015	CM0.00095
00798	CHOOOOE
70179 U4BITO GU TU KU-NK.	CHOOOOS
0800 046180 MCR2.	UMUUUU92
0801 - 340190	CM000095
0802	CM000095
0803 046210 MOVE '02' TO MC6 (J, K)	CM000095
0804 04622C MOVE 1031 TO MC8 (J. K)	CM <u>00</u> 0025
10805 046230 MOVE '04' TO MC10 (J, K)	CM000095
0804 04622C	CM020095
0806	
0808	C4000095
0810 047040 MOVE '22' TO MC6 (J, K)	CM00Q095
0811 047050 MOVE '24' TO MC10 (J. K)	CM000095
0811 047050 MOVE '24' TO MC10 (J, K) 0812. 047060. GO TO MCR2A	CM000095
0814 047080 MOVE '41' TO MC4 (J, K)	CM000095
0815 047090 MUVE '42' TO MC6 (J, K) 0816 047100 MOVE '43' TO MC8 (J, K)	CM000095
0816 _ 047100 _ MOVE '43' TO MCB (J. K)	CM000095
0817 047110 MDVE '44' TO MC10 (J. K)	CM000095
0819 047120 GO TO MCR2A.	CMODOO95
0819 067130 IF DR5A = 151	ULIU.U.U U 2 2
0820 047140 MOVE '61' TO MC4 (J. K)	CHOOOS
0823 047170 MOVE '64' TO MCIO (J. K)	CM000005
0824 047180 GO TO MCR2A.	CMOOOOS
0822	
1005 041140 DISPERT .4114. DK2 GD 10 KD-HK.	CHOOOOE
0825 047200 MCR2A.	CMUUUU95
0827	CM000095
0828 G47220 MCR28.	CM000095
0829 C47230 READ BFILE AT END GO TO MBEND.	CM000095
0831 047250 IF B5 = "MS01"	CM000095
0831 047250	CM0.00095
0833	CM000095
0834 049930 GU JD MCR2C ·	CM000095
0835	CM000095
0833 049020 MOVE '4 MV' TO MC7 (J, K) 0834 049030 GO TO MC82C. 0835 048040 IF 85 = 'MS02' OR 'MS03' OR 'MS04' 0836 C48050 MOVE '0 MV' TO MC5 (J, K) 0837 048060 MOVE '4 MV' TO MC7 (J, K) 0838 048070 MOVE '8 MV' TO MC9 (J, K)	CM000095
0837 048060 MDVE '4 MV' TD MC7 (J. K)	
0838 048070 MOVE '8 MV' TO MC9 (J. K)	CM000095
0830 048080 CO TO MCP2C	CHOOODE
0840 048090 IF B5 = 'MS05' OR 'MS06' OR 'MS07' OR 'MS08' OR 'MS09'	CM000095
ORAL OARIOO OR PRINCE	CMOOOD
0842 048110 MOVE. 'O MV! TO MC5 (J, K)	CMOOODS
0843 048120 MOVE '4 MV' TO MC7 (J. K)	CM000095
0844 04813C MOVE '4 MV' TO MC9 (J, K)	CHOOODY
ONT VIULOV HUTC. O HY TO HOT LIFT NA	
0845	CHOOCOO
0040	
0847 04816C DISPLAY '4816' B5 G0 T0 M8END. 0848 048170 MCR2C.	CM000095
0848	CM000095
0849 048190 MOVE 'MV CALS' TO MC15 (J, K). 0850 048190 GO_TO MCR10.	CM000095
0850 C48190 G0_TO MCRIO.	
0851 048200 MBEND.	CM000095
10852 049210 DISPLAY '4821' HRDOUT	CM900095

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00853	048220	GO TO RD-HK.	CM000095
00854	050010 DD	-ROUTE.	CM000095
00855	050020 050030	IF HHR3 NOT = 0 GO TO RD-HK.	
00857	050040	MOVE RHR45 TO K. IF RHR45 = 0 MOVE 100 TO K.	
00858	050050	IE DUDAS - A MOVE 100 TO K	
00859	050070	IF RR78 = '0' OR '1' DR '2' OR '3' OR '4' OR '5' OR '6'	CMOGOODS
00860	050080	OR '7' OR '8' OR '9' GO TO ODR1.	CM000095
00861	050090	GO TO DOR3.	
00862	050100 00	79.19.780.7	CM000095
00863	050110	IF RRTC = 10 DR 11 DR 12 DR 13 DR 14 DR 5 DR 16	
00864	050120	OR "7" OR '8" OR "9" GO TO DDR2.	CM000095
00865	050130 DD		CM000095
00866	050140	IF DR7 = 'IPC' MOVE 'IN PLACE CALS' TO OD 16 (J. K)	CM000095
00867	050150	GO TO DDR9.	CM000095
00868	050160	IF OR7 = 'SPC' MOVE 'SPECIAL CALS' TO DD16 (J. K)	CM000095
00869	050170	CO TO DODO	CM000095
00870	050180	IF RR78 = 'R' AND RR7C = 'N' GO TO DDR4. DISPLAY '5019' DR7 GO TO RO-HK.	CM000095
00871	050190	DISPLAY '5019' DR7 GO TO RO-HK.	CM000095
00872	050200 00		
00873	050210	OPEN INPUT CFILE.	CM000095
00874	050220 DD	R5.	CM000095
00875	050230	READ CFILE AT END GD TO DDCEND.	CM000095
00876	050240	IE CO NOT = INI CO TO DODS	
00877	050250	IF HPAR NOT = C5 GO TO QDR5.	<u>CM</u> 0000.95
00878	051010	IC 6871 - 1.1	CHAAAAAE
00879	051020	MOVE '26' TO DOS (J. K) MOVE '27' TO DOT (J. K) MOVE '28' TO DD9 (J. K)	CM000095
00880	051030	MOVE '27' TO DO7 (J. K)	CM000095
00881	051040	MOVE '28' TO DD9 (J, K)	CM000095
00882	051050	MOVE '29' TO 0011 (J, K) MOVE '30' TO DD13 (J, K)	CM000095
00883	<u>051060</u>	MOVE '30' TO DD13 (J, K)	CM000095
00884	051070	GD TU DOR6.	CM000095
00885	051080	GD TO DOR6. IF RR7A = '-' MOVE '26' TO DOS (J. K)	CM000095
00886	051090	MOVE 120' IU DOD [Je K]	CM000095
00887	051100	HUVE 23 TO DOT (3) KY	<u>CHÖNOV 3</u> 3
88800	051110	1012 27 10 007 10 17	CH000073
00889 00890	051120 051130	MOVE '23' TO DDL1 (J, K) MOVE '22' TO DD13 (J, K)	
00891	051140	MOVE '23' TO DOLL (J. K) MOVE '22' TO DOL3 (J. K) MDVE 1 TO NEG-SW GO TO DORG.	CMOOOOGS
00892	051150	CO TO DOOF	CHOOOOS
00893	051160	DISPLAY '5116' DR7 GO TO DOCEND.	CMOOOOOS
00894	051170 DD	DESPERI DELO DEL DOCUMOS	CM000095
00895	051180	IF C10 = SPACE GO TO DDR7.	CMODONOS
00896	051190	MOVE C10 TD DD6 (J. K)	CM000095
0.0897	051200		CM000095
00898	051210	MINAL CIO III NIN ISA KI	CHURCHION
00899	051220	READ CFILE AT END GO TO ODCENO.	CM000095
00900	051230	MOVE C10 TO DD10 (J. K)	CM000095
00901	051240	READ CFILE AT ENO GO TO DOCEND.	CM000095
00902	051250	MOVE CIO TO ODIZ (J. K)	CMAAAAA
00903	052010	READ CFILE AT END GO TO DOCEND.	CM000095
00904	052020	MOVE C10 TO 0014 (J. K)	CM000095
00905	052030	GO TO DOR8.	CM000095
00906	052040 DD	R7.	CM000095
00907	052050	IF CI1 = SPACE DISPLAY '5205' C7 GD TO DDCEND.	CM000095
00908	052060	MOVE C11 TO D06 (J. K).	CM000095
00000	_ 052070	READ_CFILE_AI_END_GO_TO_DOCEND+	_CM000099

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00910	052080	MOVE CLI TO DOB (J, K).	CM000095
00911	052090	READ CFILE AT ENO GO TO DOCEND.	CM000095
00912	052100		CM000095
00913	052110	READ CFILE AT ENO GO TO OCCEND.	CM000095
00914	052120		CM000095
00915	052130	READ CFILE AT ENO GO TO DOCEND.	CM000095
00916	052140		<u></u>
00917	052150		CM000095
00918	052160	MOVE CLIB TO DO4 (J. K).	CM000095
00919	053110	CLOSE, CFILE.	CM000095
	**052170	DDR9.	CM000095.
00921	052180		CM000095
00922	052190	MOVE '-' TO ODSN (J. K).	CM000095
00923	053010	IF DR6 = 'CP' MOVE 'CELL PRESS' TO DD15 (J, K) GO TO DDRX.	CM000095
00924	053020 053030		CH000095_
00926	053040		CM000095 CM000095
00927	053050		CM000095
00928	053060		CM000095
00929	053070	IF DR6 = 'IC' MOVE 'IC-1500-F' TO DO15 (J. K) GO TO DDRX.	CM000095
00930	053080		CM000095_
00931	053090	DORX	CM000095
00932	053100		CM000095_
00933	053120		CM000095
00934	053130	DDC END,	CM000095
00935	053140		CM000095
00936	053150	CLOSE_CEILE	CMQ000,95.
00937	053160	GO TO RD-HK.	CM000095
00938	054010		_ CM000095_
00939	054020	IF RDR7B = 08 GO TO DOR2A.	CM000095
00940	054030	17 NONTO = 19 00 10 DONZO 1	LM000055.
00941	054040		CM000095
00942	054050	IF ROR78 = 32 GO TO DOR2D.	
00943	054060		CM000095
00944	054070		
00945	054090		CM000095
00947		DOR2A.	CM000095
00948	054110		CHOODOSS
00949	054120	MANE I 31 TO DOE () V)	CHOOOOE
00950_	054130		CM000095
00951	054140		
00952	054150	MOVE ' 3' 10 DD7 (J, K)	CM000095
00953	054160	GO TO DODOO.	CMAAAAAA
00954	054170		_ CM000095
00955	054180	MOVE ' 2' TO 005 (J, K)	CM000095
00956	054190	MOVE ' 2' 10 005 (J, K)	CM000095
00957	054200	MOVE ' 1' TO DD7 (J, K)	CM000095
	054210		CM000095
00 95 9	054220	GO TO ODR20.	CM000095
00960	054230	GO TO ODRZZ.	CM000095
00.401	033010	DDK 2 D 4	CM000095
00962	055020	IF_RR7A = '+'	CM00.0095 .
00963	055030	MOVE '5' TO DD5 (J, K)	CM000095
00964	. 055040	. MUVE 10 MY TO OD6 (J. K)	.CM0000095
00,965 00,966	055050 055060	TOTE O TO DOT LAT KI	CHOOOCE
00400	022000	MOLE - TO MA, IO DOG (2) Kt	CM000095

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00967			GO .TO .DOR20	_CM000095
00968	055080		KX (A = '-'	CMODOOOYS
00969	0550.90		NOVE . 5' TO DOS (4. K)	CM000095_
00970	055100		MOVE '0 MV' TO 006 (J+ K)	CM000095
00971	055110	- -	MOVE ' 4' TO DO7 (J, K)	CM000095_
00972	055120		MOVE 'O MV' TO 006 (J, K) MOVE ' 4' TO 007 (J, K) MOVE '-16 MV' TO 008 (J, K) GO_TO_DDR20. TO DDR22.	CM000095
	. 055130		GQTO_QDR20.	CM0.00095
00974	055140		TO DOR22.	CM000095
. 00975.		. DDR 2C	RR7A = '+'	CM000095
	055160	11	MOVE ' 8' TO DD5 (J. K)	CM000095
00978	. 055170 055180		MOME to MMI TO DOLLER ME	C44000000
	05519C		MDVE '0 MV' TO DD6 (J, K) MDVE '9' TO DD7 (J) KL	CM000095
00980	055200		MOVE '24 MV' TO DD8 (J. K)	CM000095
	055210			CHOOODS
00982	055220		DD7A = 1-1	CMODOCOC
	055230	-	MOVE 1.8' TO DD5 (J, K)	CHOOOOS
00984	055240		MOVE TO MAY TO DOS (1) K)	CHOOODS
	055250		MOVE 'O MV' TO 006 (J, K) MOVE ' 7' TO 007 (J, K) MOVE '-24 MV' TO 008 (J, K)	CM000045
00986	056010		MOVE 1-24 MV! TO DDR (). KI	CM000095
00987	056020		GO TO DORZO.	CM000095
00988	056030		TO DDR2Z.	CM000095
00989		OOR 20.		
00990	056050		RR7A = ++	CM000095
00991	056060		MOVE '11' TO 005 (J, K)	CM000095
00992	056070	-	MOVE 'O MY' TO DD6 (J, K)	V
00993	056080		MOVE '12' TO 007 (J, K)	CM000095
00994	056090	•	MOVE 132 MV! TO DOR () K)	CM000095
00995	056100		GO TO DDR20.	CM000095
00996	056110	(F	RR7A = '-'	CM000095
00997	056120	_	MOVE '11' TO OD5 (J, K)	CM000095
00998	056130		MOVE 'O MY' TO DD6 (J. K)	CM000095
00999	056140		MOVE '10' TO DO7 (J. K).	CM000095
01000	056150		MOVE '-32 MV' TO DD8 (J. K)	CM000095
01001	056160	-	GO TO DOR20.	CM000095
01002	056170		TO DORZZ.	CM000095
01003	0561BC	OOR2E.		_ CM000095
01004	056190	IF	RR7A = "+"	CM000095
01005	055200		MOVE '14' TO OD5 (J. K)	_ CM000095 _
01006	056210		MINE .0 MA, 10 DOP (3" K)	CM000095
01007	056220		MOVE '15' TO 007 (J, K)	CM000095
01008	056230		MOVE '40 MV' TO DOB (J. K)	CM000095
01009	05624C		GD TD DDR20.	_ CMQQ.0095
01010	C57010	I.F.	RR7A = '-'	CM000095
01011	057020		MOVE '14' TO 005 (J. K)	
01012	057037		MOVE '0 MV' TO DOG (J. K)	CM000095
01013	057040		MOVE 113' TO DD5 (J. K)	CM000095
01C14 01015	05705C	•	MOVE '-40 MV' TO OD8 (J, K)	CM000095
01015	257270	60	GU TU DDR20.	CM000095
01015		DDR2F.	TO ODR22.	CM000095
G1014	057090		RR7A = "+"	CM000095
01019	057100	4 7	MOVE '17' TO DOS (J. K)	CM000095
01014	057110		MOVE TO MV' TO DOG (J, K)	CM000095
01021	057120		MOVE '18' TO DOT (J, K)	CM000095
G1022	057130		MOVE '80 MV' TO DOS (J. K)	CM000095
01023	057140		GO TO ODR20.	CM000095 CM000095
01023	33114U		00 10 00R200	CHOOODAD

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01024	057150 . IF RR7A = '' 057160	CM000095.
101025	057160 MDVE *17* TD 005 (J, K)	CH000095
01026	057170MOVE 'Q.MV' TO QQ6 (J. K)	_ CM000095_
01027	057180 MOVE '16' TO DD7 (J. K)	CN000095
01028	. 021/20 WORE 1-80 MA, LO 008 (1* K)	_ CN000095
01029	O57190 MDVE '-80 NV' TO OD8 (J. K)	CM000095
01030	077210 00 10 170K221	_ CM000095
01031	05722D DDR 20.	CM000095
01032	057230 MDVE 'MY CALS' TO DD16 (J. KL.	_ CH000095
01033	057240 GD TD DDQQ_	CMAAAAAS
01034	058010 SR-ROUTE.	. CM000095
01035	058010 SR-ROUTE. 058020 IF HHR3 > 4 DISPLAY '5802' HROOUT GD TD RD-HK. 058030 IF RHR45 > 8 OISPLAY '5803' HROOUT GD TO RD-HK.	CM000095
01036	058030 1F RHR45 > 8 01SPLAY_'5803'_HRDOUT GO. TO RD-HK	. CM000095.
01037	058040 MOVE HHR3 TO J.	CM000095
01038	058050 MOVE HHR3 TD J. 058050 MOVE RHR45 TD K. 058050 IF DR8 = 'MVC' MOVE 'NV CALS' TO SRIL (J. K) GD TD SRR10. 058070 IF DR8.= 'IPC' MOVE 'IN PLACE CALS' TO SRIL (J. K)	_ CM000095
01039	058060 IF DR8 = 'NVC' MOVE 'NV CALS' TO SRII (J. K) GD TD SRRIO.	CM000095
01040	058070 IF DR8. = . ! IPC' MOVE 'IN PLACE CALS' TO SRIL (J. K)	CM000095
01041 01042	05808D GD TO SRRIO. 058090 IF DRB = "SPC" MOVE "SPECIAL CALS" TO SRII (J. K)	CH000095
01042	058100 GO TO SRRIO.	CH000095
01045	058110 IF RDR88 NOT = 'RN' O[SPLAY '5811' HROOUT GO TO RD-HK.	CH000005
01045	AERIZA AREN INDIT CETIË	CHAAAAAA
01046	058130 SRR1.	CHOOODS
01047	058140 READ CFILE AT END GD TD SRREND.	CMODOLOS
0104B	058150 (F C9 NDT = '0' GD TD SRR1.	CHUUUU
01049	058130 SRR1. 058140 READ CFILE AT END GD TO SRREND. 058150 IF C9 NDT = "0" GD TO SRR1. 058160 IF HPAR NDT = C5 GO TO SRR1. 058170 IF C10 = SPACE GD TO SRR2.	CM000095
01050	058179 IF C10 = SPACE GD TO SRR2.	CM000095
01051	DISTRICT MOVE CLO TO SR5 (J. K)	CM000095
01052	OSBIGO MOVE CIO TO SR5 (J, K) OSBIGO READ CFILE AT END GO TO SRREND.	CM000095
01053	030530 MOAL FIO 10 3KO FI® KI	に同じなびひろう
01054	058210 READ CFILE AT ENO GO TO SRREND.	CM000095
01055	058210 READ CFILE AT END GO TO SRREND. 05822C MOVE CIO TO SR7 (J. K) 05823C READ CFILE AT END GO TO SRREND. 058240 MOVE CIO TO SR8 (J. K)	CM000095
01056	05823C READ CFILE AT END GO TO SRREND.	CM000095
01057	058240 MDVE C10 TO SR8 (J, K)	CH000095
01058	058250 READ CFILE AT END GO TO SRRENO	CM000095
01059	059010 MOVE C10 TO SR9 (J. K)	CM000095
01060	059020 GD TO SRR9.	CM000095
01061	059030 SRR2. 059040. IF C11 = SPACE_DISPLAY_*5904* C7_G0_T0_RD-HK. 059050	CM000095
01062 01063	059040. IF C11 = SPACE_DISPLAY_*5904* C7_G0_T0_RD-HK. 059050	CHOODOOS
01064	D59060 READ CFILE AT ENG GO TO SEREND.	CHOOOOS
01065		
01066	059080 READ CFILE AT END GD TO SRREND.	CM000095
01067	REGROA MINE ELL TO SOT EL VI	CHAAAAAA
01068	05910C READ CEILE AT END GO TO SRREND	CM000095
01069	059110 MOVE C11 TO SR8 (J. K). \	CM000095
01070	O59120 READ CFILE AT ENO GO TO SRREND.	CM000095
01071	059130 MOVE C11 TD SR9 (J. K).	CM000095
01072	059140 SRR9.	CM000095
01073	059150 MOVE C118 TD SR4 (J, K)	58
01074	059150 MOVE CLIB TD SR4 (J, K) 060030 CLOSE CFILE. **059160 IF RDR8A = '-' MOVE '-' TD SRSN (J, K). 05917D SRR10.	CM00Q095
	**059160	CM000095
01076.	05917D SRR10.	CM000095
01077	034500 IL DEG = .Ch. MOAE .CEEF bE52. ID 2850 (31 K) OR ID 28822*	CHUUUUUYS
01078	. D59190 IF_DR6 = '8A'_MDVE 'BAROMETER 'TO SR10_IJ. K) GD TO SRRSS.	CM000095_
01079	059230 IF OR6 = 'VR' MOVE 'VAC. REF. ' TO SRIO (J. K) GD TO SRRSS.	CM000095
01080	059210 IF DR6 = "RT" MOVE "RTT " TO SRIO (J. K) GO TO SRRS,S.	_CH0000095

01081059220 IF OR6_ = 'CA' MOVECA-1500-F TO SRIO_(J.K). GO TO_SRESS	_CM000095
01082 059230 IF OR6 = 'CC' MOVE 'CC-1500-F' TO SRIO (J, K) GO TO SRRSS.	CM000095
01083 059240 IF DR6 = 'IC' MOVE 'IC-1500-F ! ID SR10 IJ. KI GO ID SRRSS.	_CM000095
01084 059250 IF OR6 = 'EV' MOVE 'EVENT ' TO SR10 (J, K).	CM000095
01085 060010 SRRSS.	CM000095
01086	CM000095
01087 060040 GD TO RO-HK.	. CM000095
01088 060050 SRREND. /	CM000095
01089 060060 DISPLAY '6006'	_CM000095
01082 059230	CM000095
01091 060080 GO TO RD-HK.	_CM000095
01092	CM000095
V1093: U52020 CLUSE HUUR.	_ CM000095
01094 062030 PERFORM WR-SC VARYING J FROM I BY I UNTIL J > JJ. 01095 062040 MOVE 28 TO JECT. GO TO WR-HT.	CMUUUUYS
01095 062040 MOVE 28 TO JECT. GO TO WR-MT. 01096 062050 WR-SC. 01097 062060 IF JECT = 50 01098 062061 WRITE LIT FROM SC-HD AFTER 0 01099 062070 WRITE LIT FROM HEADSMOS AFTER 2	CHOOODS
01007 0/20/0 IE IECE - EO	CHOOODE
01098 062061 WRITE LIT FROM SC-HD AFTER 0 01099 062070 WRITE LIT FROM HEADSMOS AFTER 2 01100 062080 MOVE 0 TO JECT.	
01099 062070 WRITE LIT FROM HEADSMOS AFTER 2	•
ALLOS ACCORDA HOUSE A TO LICE	CHOOCOC
01101 062100 MOVE SC1 (J) TO LSC1.	CM000095
01102 062110 MDVE SC2 (J) TO LSC2.	CM000095
01103 062120 MOVE SC3 (J) TO LSC3.	CM000095
01104 062130 MOVE SC4 (J) TO LSC4. 01105 062140 MOVE SC5 (J) TO LSC5.	CM000095
01105 062140 MOVE SC5 (J) TO LSC5.	CM000095
01106 062150 MOVE SC6 (J) TO LSC6. 01107 062160 MOVE SC7 (J) TO LSC7. 01108 062170 MOVE SC8 (J) TO LSC8.	CM000095
01107 062160 MOVE SC7 (J) TO LSC7.	CM000095
01108 062170 MOVE SC8 (J) TO LSC8.	CM000095
01109 062180 MOVE SC9 (J) TO LSC9.	CM000095
01110 062190 MOVE SCIO (J) TO LSCIO. 01111 062200 WRITE LIT FROM SCLIST AFTER 2. 01112 062210 ADO 2 TO JECT.	CM000095
01111 062200 WRITE LIT FROM SCLIST AFTER 2.	_CM000095
01112 062210 ADO 2 TO JECT.	CM000095
01112 062210 A00 2 TO JECT. 01113 063010 WR-MT. MOVE ' TNO CHAN ' TO SCMTD. 01114 063020 PERFORM WR-MT1 VARYING K FROM 1 BY 1 UNTIL K > 6	CH000095
01114 063020 PERFORM WR-MT1 VARYING K FROM 1 BY 1 UNTIL K > 6	
UIII OGSUSU AFIER J FRUM 1 BY 1 UNIL J 7 14.	
01116 063040 GD TO WR-OS.	CM000095
01117 063050 WR-MT1.	<u>CM0</u> 00095
VIII8 063060 IF JECT = 28	
01119 063061 PERFORM DO-HO -	
01120 063062 WRITE LIT FROM MT-HO AFTER 0 01121 063070 WRITE LIT FROM HEAOSMOS AFTER 2	
01122 042080 HOVE O TO JECT	CHOOODE
01123 063120 MOVE MT3 (X. J) TO LMT3.	CM000095
01124 063130 MOVE NT4 (K. J) TO LMT4.	CMOOOOS
01124 063130 MOVE MT4 (K, J) TO LMT4. 01125 063140 MOVE MT5 (K, J) TO LMT5.	CM000075
01126 063150 MOVE MT6 (K, J) TO LMT6.	CM000095
01127 063160 MOVE MT7 (K. J.) TO LMT7.	CMOOOOGS
01128	CM000095
01129 063180 MOVE MT9 (K, J) TO LMT9.	CM000095
U113U GG319G. MUYE MIIU KKA JJ 3U LMIIUA	CM000095
01131 063200 MOVE MT11 (K. J) TO LMT11.	CM000095
01132	CM000095
01133 063220 IF K = 2 MOVE 'B' TO LMT1.	CM000095
01134 063230 IF K = 3 MOVE 'C' TO LMT1.	CM000095
01134 063230	CM000095
01130 003530 ILV - 3 MOAG .E. IO FWIT!	CM000095
QI137 Q64QLQ IF .Keene MOYE AELITO LATLE.	_cn0000095

-01138	064020		CM000095
01139	064030	1F J = 12 HOVE 'GATED T.' TO LATS.	CM000095
01140	064040		CM000095
01141	064050	IF J = 14 MOVE 'VOICE' TO LMT3.	CM000095
01142	064060 064070	ADO 2 TO JECT. WRITE LIT FROM MILIST AFTER 2.	CHUUUUU95
01144			CM000095
01145	065011	MOVE OSF TO FLLX.	בעעעעעעם
01146	065020		
01147	065030	MOVE 36 TO JECT MOVE . OSNO CHAN. TO SCHO. PERFORM WR-OS1 VARYING K FROM 1 BY 1 UNTIL K > 6	
01148	065040	' ACTED 1 COMMING A FAMILY 1 ON 1 L V 24	
01149	065050	CO TO UP ME	CHOOOOE
01150		MR-DS1.	CHOOOOS
01151	065070		Gryuuus.
01152	065071	PERFORM DO-HD	
01153	065072	WRITE LIT FROM MT-HD AFTER O	
01154	065080		
01155	065081	MOVE FOR TO INT	
01156	065090	MOVE 0 TO JECT. 1F K = 1 MOVE *A* TO LOS1.	CM000095
01157	065100	1F K = 1 MOVE 'A' TO LOS1.	CM000095
01158	065110	IF K = 2 MOVE 'B' TO LOSI	CM000095
01159	065120	IF K = 3 MOVE "C" TO LOSI.	CMOOOOS
01160	065130	IF K = 4 MOVE 'D' TO LOSI.	CM000095_
01161	065140	IF K = 5 MOVE "E" TO LOS1.	CM000095
01162	065150	IF K = 5 MOVE "E" TO LOSI. IF K = 6 MOVE "F" TO LOSI.	CM000095.
01163	065160	MOVE J TO LOS2. MOVE 0S3 (K) J TO LOS3. IF J = 35 MOVE "1 HZ " TO LOS3. IF J = 36 MOVE "100 HZ " TO LOS3.	CM000095
01164	065170	MOVE OS3 (K, J) TO LOS3.	CH000095
01165	065180	IF J = 35 MOVE "1 HZ " TO LOS3.	
_0116.6	065190	IF J = 36 MOVE '100 HZ ' TO LOS3.	- <u>-</u>
01167	065200	MOVE OS4 (K, J) TO LOS4. MOVE OS5 (K, J) TO LOS5.	CM000095
01168_	065210	MOVE DS5 (K+ J) TO LOS5.	CM000095
01169	065220	MOVE DSA IK. JI TO 1056.	CMODODOS
_01170	065230	MOVE OST (K. J) TO LOST.	_CM000095
01171	065240	MOVE DS8 (K. J) TO LOS8.	CM000095
01172	065250	MOVE 059 [K. J] TO L059.	_CM000095.
01173	066010	MOVE 0510 (K, J) TO LOSIO. MOVE 0511 (K, J) TO LOSII.	CM000095
01174	066020_ 066030	ADD 1 TO JECT.	LHUUUUU95
01176	066040		
01177		WRITE LIT FROM OSLIST AFTER JKT MOVE * * TO JKT.	CM000095
01178.	_066070		CHOOODS
01179	066080		
01180_	066081		CHOOCOS
01181	066090	MOVE 1 TO A PERFORM WRMC1 VARYING K FROM 1 RV 1	CM000095
01182	066100		
01183	066110	1F MSW3 = 1 GO TO WR-MC3. GO TO WR-MC4.	CM000095
01184	066120	GO TO WR-MC4.	CM000095
01186_	066140	. IF.MSW3 = 0 GD. TO WR=MC4	CM000095
01187	066150	IF MSW2 ≠ 0 GO TO WR-MC4.	CM000095
01188	_066160	MOVE 2 TO J.	_CM000095
01189	066170	MOVE 2 TO J. PERFORM WRMC1 VARYING K FROM 1 BY 1 UNTIL K > 100. WR-MC3. MOVE 3 TO J.	CM000095
01190	_066130	HR-MC3.	_CM000095
01191	066190	MOVE 3 TO J.	CH000095
01192	_066200	PERFORM WRMC1 VARYING K FROM 1 BY 1 UNTIL K_>_100	CM0000.95
01193		WR-MC4.	CM000095
01194	066220	IF MSW2 = 1 MOVE 2 TO J	CM000095

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01195	066230	PERFORM WRMC1 VARYING K FROM 1 BY 1 UNTIL K > 100.	CMODOOS
01196	066240		
01197	068050		
	*067010	WRMC1.	CM000095
01199	067020		CM000095
01200	067030	MOVE JJ TO LMC1.	CM000095
01201	067040		CM000095
01202	067050	MOVE MC3 (1. V) TO IMC3	CHAAAAAA
01203	067060	A CONTRACTOR OF THE CONTRACTOR	CM000095
01204	067070	MOVE MC5 (J. K) TO LMC5.	CM000095
01205	067080	MOVE MC6 (J. K) TO LMC6.	CN000095
01206	067090	MONE MEZ / L M L TO L MEZ	CHAAAAAE
01207	067100	MOVE MCR (L. K) TO LMCR.	CMODAGES
01208	067110	MOVE MC9 (J. K) TO LMC9.	CM000095
01209	067120	MOVE MC9 (J, K) TO LMC9. MOVE MC10 (J, K) TO LMC10. MOVE MC11 (J, K) TO LMC11.	CM000095
01210	067130	MOVE MG11 (J. K) TO LMG11.	CM000095
01211	067140	MOVE NG12 (J. K) TO LNG12.	CM000095
01212	067150	MOVE MC13 / L. KI TO LMC13.	CMANAGE
01213	067160		CN000095
01214	067170	MOVE MC15 (J. K) TO LMC15.	CM000095
01215	067180	IF JECT = 50	CM000095
01216	067181		
01217	067190	WRITE LIT FROM HEADMCDD AFTER 2	
01218	067200	MOVE O TO JECT.	CM000095
01219	067210	ADD 2_TO_JECT.	CM000095
01220	067220	WRITE LIT FROM MCLIST AFTER 2.	CM000095
01221	071010	WR-SR •	CM000095
01222	071011	MOVE SRF TO FIXR.	
01223	071020	MOVE SRF TO FIXR. MOVE ' REC CHAN' TO SCHTO. PERFORM WRSR1 VARYING K FROM 1 BY 1 UNTIL K > 4	
01224	071040	PERFORM WRSR1 VARYING K FROM 1 BY 1 UNTIL K > 4AFTER_J FROM 1 BY 1 UNTIL J > 8 GO TO ASCEND.	
01225_	071050	AFTER_J FROM 1 BY 1 UNTIL J > 8	
01226	071060	GO TO ASCEND.	CM000095
01227	071080	WRSRI.	_ CM000095
01228	071090		
01229	071092	IF K = 2 MOVE 'B' TO LSRI.	
01230	071093	IF K = 3 MOVE *C' TO LSR1.	
01231_	071094	IF K = 14 MOVE *D* TO LSRI.	
01232	071100	MOVE J TO LSR2.	CM000095
01233	_071110	MAYE SR3 (K)) TO ISR3.	CMOOOOGS
01234	071120		CM000095
01235	<u>071130</u>	MOVE SR5 IK, J) TO LSR5.	CM000095
01236	071140	MOVE SR6 (K, J) TO LSR6.	CM000095
01237	071150		_CM000095.
01238	071160		
01239_	.0/11/0	MOVE SR9 (K, J)_TO_LSR9	CM000095.
01240	071180	MOVE SRIO (K, J) TO LSRIO. MOVE SRII (K, J) TO LSRII.	CH000095
01241	071190	. Hove skil (k, J) IU [skil.	CM0000095
01242	071200	MOVE SRI1 (K, J) TO LSRII. IF SRSN (K, J) = '-' MOVE ' -' TO FILLERA FILLERB FILLERC FILLERO FILLERE ELSE MOVE SPACE TO FILLERA FILLERB.	CHOOODS
01243		FILLERO FILLERE ELSE HUVE SPACE IU FILLERA FILLERA.	_ CM0000095
01244	071220	FILLERC FILLERO FILLERE.	CM000095
	97,1239	LE JECT = 24	CM000095
01246	071231	WRITE LIT FROM MC-HO AFTER O	
01247	071240		CHARACT
01248		MOVE O TO JECT.	CM000095
01249	072010	A00 1 TO JECT.	CM000095
01250	072020	WRITE LIT FROM SRLIST AFTER 2. ASCENO.	CM000095 CM000095
01251	012030	A DL ENU .	CMOOOOAD

01252	**069020	MOVE 1 TO J. MOVE . CHAN . TO MCOD. MOVE 25 TO JECT.	
01253	069030	PERFORM WROD1 VARYING K FROM 1 BY 1 UNTIL K > 100.	CM000095
01254	069070		
01255		···· + = • ·	CM000095
.012 <u>56</u>	069110		
01257	096120	MOYE 0 TO LD01. MOYE 0D3 (J, K) TO LDD3.	CHOODOOS
	**069150		CM000095
01259	069160 069170	MOVE ODE (J. K) TO LOOS	CMOOOCYS
01260 01261	069180	MOVE 005 (J, K) TO LOOS	CM000095
01261	069190	MOVE 007 (J. K) TO LOUS. MOVE 008 (J. K) TO LOUS.	CMOODOSS
01263	069200	MOVE 008 (J, K) TO LDD8.	_CM000095
	069210	MOVE 009 (J, K) TO LOO9.	CM000095
01265	069220	MOVE ONTO (J. K) TO 10010	CM000095
01266	069230	MOVE DDII (J. K) TO LDDII	CH000095
01267	069240	MOVE DD12 (J. K) TO LDD12	CM000095
01268		MOVE DD13 (J. K) TO LDD13	_CM000095_
01269	070010		
01270	070020	MOVE DD14 (J, K) TO LDD14. MOVE DD15 (J, K) TO LDD15.	_CMQ00095.
01271	070030		CM000095
01272	070040	IF DDSN (J, K) = 1-1 MOVE '-' TO FILLER1 FILLER2 FILLER3 FILLER4 FILLER5 ELSE MOVE SPACE TO FILLER1 FILLER2	_CMQ00095_
01273	070050	FILLER4 FILLER5 ELSE MOVE SPACE TO FILLER1 FILLER2	CM000095
01274	070060	FILLER3 FILLER4 FILLER5.	_CM000095_
01275	070070	1	CM000095
01276	070071	WRITE LIT FROM DDAS-HD AFTER O	
01277	070080	WRITE LIT FROM HEADMCOO AFTER 2	
01278	070090	MOVE Q TO JECI.	
01279	070100	A00 1 TO JECT. WRITE LIT FROM DDLIST AFTER 2.	CM000095
01580	97.91 lo		CMOQQQ95
01281	070111		CHOOODE
01282	<u>072040</u> 072060		
01284		STOP RUN. SPACE-TB.	CMODODOS
01285	073110	MOVE 1 TO 1	CHOOODS
01286	073120	PERFORM SPC-DO VARYING K FROM 1 BY 1 UNTIL K > 100.	
	**073020	MOVE 1 TO J. PERFORM SPC-00 VARYING K FROM 1 BY 1 UNTIL K > 100. PERFORM SPC-SC VARYING J FROM 1 BY 1 UNTIL J = 51.	CH000095
01288	073030	PERFORM SPC-HT VARYING K FROM 1 BY 1 UNTIL K > 14 AFTER	CM000095
01289	073040	J FROM 1 BY 1 UNTIL J > 6.	CM000095
01290	073050	PERFORM SPC-OS VARYING K FROM 1 BY 1 UNTIL K > 36 AFTER	_CM000095
01291	073060	J FROM 1 BY 1 UNTIL J > 6.	CM000095
01292	073070	PEREDRM SPC-MC VARYING K FROM 1 BY 1 UNTIL K > 100 AFTER	_CM000095
01293	073080	J FROM 1 BY 1 UNTIL J > 3.	CM000095
_01294	073150		CH000095
01295	073160	AFTER J FROM 1 BY 1 UNTIL $J = 5$.	CM000095
01296		SPC-SC.	CM000095
01297	074020		
01298	074030		_CM000095
01299		SPC-MT.	CM000095
_01300	074050		-CMOODO95
01301	074060	MT5 (J, K), MT6 (J, K), MT7 (J, K), MT8 (J, K),	CM000095 CM000095
01302	074070	MT9 (J. K). MT10 (J. K). MT11 (J. K).	
01303		SPC-05.	CM000095
01304	074090 074100	MOVE SPACE TO OS1 (J. K). OS2 (J. K). OS3 (J. K). OS4 (J. K)	CHOOLOGS
01305			CHOOODS
01307		SPC-MC.	CM000095
01308	074130		
	O 1 17 (B)	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	

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MC4 (J, K), MC5 (J, K), MC6 (J, K), MC7 (J, K)
MC8 (J, K), MC9 (J, K), MC10 (J, K), MC11 (J, K),
MC12 (J, K), MC13 (J, K), MC14 (J, K), MC15 (J, K),
01307
         074140
                                                                                           CH000095
01310
         074150
         074160 ..._
01311
                                                                                           CM000095
01312
         074170
                          MC16 IJ, KI.
                                                                                           CMB00095
01313
         074200 SPC-00.
                                                                                           CN000095
         074210 MOVE SPACE TO OD1 (J, K), OD2 (J, K), DD3 (J, K) OD4 (J, K) CM000095
01314
        01315
                                                                                          _CM000095
01316
                                                                                           CM000095
01317 . 074240
                                                                                           CM000095
01318
         074250
                          00SN (J. K).
                                                                                           CM000095
        075030 SPC-SR.
075040 MOVE SPACE TO SR1 [J, K], SR2 [J, K], SR3 [J, K], SR4 [J, K], CM000095
075050 SR5 [J, K], SR6 [J, K], SR7 [J, K], SR8 [J, K]
075060 SR9 [J, K], SR10 [J, K] SR11 [J, K], SRSN [J, K].
075060 CM000095
01319
01320
21321
01322
01323,
                     OPEN INPUT BEILE. MOVE O TO J.
         076020
                                                                                           CMODDOOS
01324
01325 ,
                     READ BEILE AT END GO TO BEND.
         076030 RD-BF.
                                                                                          _CMQ00095
01326
         076040
                     IF BOA NOT = "SC" GO TO RD-8F.
01327 .
         076050_
                                                                                          CH000095
01328
         076060
                                                                                           CM000095
01329
                     IF J > 50 OISPLAY 'SC-TABLE TOD SMALL' B3A B3B GD TO BEND. CMOD0095
        076070
01330
        076090
01331.
                     GO TO RO-8F. _ .. _
         076090
01332
         076100 BEND.
                                                                                           CM000095
                                                                                         CM000095
01333
         076110
                     MOVE J TO JJ.
                     CLOSE BFILE'.
01334
         076120
                                                                                           CM000095
         077010 0Q-U.
                                                                                        ____CM0QQ095
01335
                     MOVE O TO J.
01336
         077020
                                                                                           CM000095
                     MOVE 1 TO K.
01337
         077030
01338
         077040 QU-J.
                 MOVE J TO MC16 (1, K)
ADD 1 TO J ADO 1 TO K.

IF J = 100 GD TO U-TO.

GD TO DO-J.
                                                                                          _CM000095
01339
         077050
01340
         077060
                                                                                           CH000095
         077070
01341
         077080
                                                                                          CM000095
C1342
01343
         077090 U-TO.
                                                                                       CH000095
                     MOVE 400 TO J
01344
         077100
01345
         077110
01346
         077120 TO-TWO.
                                                                                           CM000095
                                                                                      CM000095
CM000095
                     MOVE J TO MC16 12. K).
01347
         077130
                     A00 1 TO J
01348
         077140
                                                                                           CH000095
                                                                                    CM000095
CM000095
         077150
01349
                   _A00 1 TO K
                     IF J = 500 GO TO DO-MOR.
01350
         077150
                     GO_TO_TO-TWQ.______
Q135L
        _0<u>77170</u>_
                                                                                           CM000095
01352
        077180 DO-MOR.
                                                                                           CM0000095
                     MOVE 100 TO J. __ _ ____
MOVE 1 TO K.
01353_
         077190
                                                                                         CM000095
01354
         077200
                                                                                           CM000095
01355
         077210 84-U.
                                                                                         ___CM000095
                    MOVE J TO MC16 13, K)
01356
         077220
                                                                                           CH000095
                  . ADO 1 TO J. .......
01357 . . 077230
                                                                                          _CM000095
                     A00 1 TO K.
01358
         077240
                                                                                           CM000095
                 ... IF J = 200 GO TO ALL-DO.
01359
         077250
01360
         078010
                                                                                           CH000095
         078020 ALL-00. _____
01361
                                                                                           CM000095
01362
         07803C
                      EXIT.
                                                                                           CM0000095
      079010 DO-HO.

079020 IF K = 1 MOVE 'A' TO FLP.

079030 IF K = 2 MOVE 'B' TO FLP.
01363
01364
01365
```

.01366	0,790.40		ĮΕ	K	=	3	MOVE	101	_TO	FLP.	_
01367	079050		ĮF	K	=	4	MOVE	101	TO	FLP.	
01368	079060	 	JE.	K	=	5	MOVE	·E.	TO_	FLP.	_
01369	079070		TE	K	=	6	MOVE	IFI	TΛ	FID.	

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00001		ENTIFICATION DIVISION.	CM000048
00002		DGRAM-ID. *CM000048*.	CM000048
00003	001030 AU	THOR. JACK ROSE.	CM000048
00004		STALLATION. ARO INC TULLAHOMA TENN.	CH000048
00005		IF-4KILLEN* 2FLIFWREK TAOL*	CM000048
00006		TE-COMPILED. DEC 14,1968	CM000048
00007	001070 SE	CURITY.	CM000048
80000	001080 RE	MARKS. THIS PROGRAM CREATES A GILMORE TRANSDUCER	CM000048
00009	001090	FILE TO BE USED BY RTF AND LRF INSTRUMENT BOOKS.	CM000048
00010		VIRONMENT DIVISION.	CM000048
00011	001120 CO	NFIGURATION SECTION.	CM000048
00012		URCE-COMPUTER. IBM-360 H50.	CM000048
00013	001140 OB	JECT-COMPUTER. TBM-360 H50.	CM000048
00014	001150 IN	PUT-DUTPUT SECTION.	CM000048
00015	001160 FI	LE-CONTROL.	CM000048
00016	001170	SELECT GIL-IN ASSIGN "GOO1" UTILITY. SELECT GIL-OT ASSIGN "GOO2" UTILITY.	. CM000048
00017	001180	SELECT GIL-OT ASSIGN 'GOOZ' UTILITY.	CM000048
00018	001190 DA	TA DIVISION.	CM000048
00019	001200 FI	LE SECTION.	CM000048
00020	001210 FD	GIL-IN RECORDING F BLOCK 10 RECORDS RECORD 133	CM000048
00021	001220	LABEL RECORDS STANDARD DATA RECORD GIN.	CMD00048
00022	001230 01	GIN.	CM000048
00023	001240	DZ GINN PICTURE X OCCURS 133.	CM000048
00024	002010 FD	GIL-UT RECORDING F BLOCK 1 RECORDS RECORD 747	CM000048
00025	002020	LABEL RECORDS STANDARD DATA RECORDS ARE GOT NEWG.	CM000048
00026	002030 01	GOT.	CM000048
00027	002040	02 GPURSPEC PICTURE X(10).	CM000048
00028	002050	02 GINS-NO PICTURE X(16).	CM000048
00029	002060	02 GDAT-REC PICTURE 9(6).	CM000048
00030	002070	02 GMAN PICTURE X(12).	CM000048
00031	002080	02 GMATE PICTURE X(20).	CM000048
00032	002090	02 GRANGE PICTURE X(5).	CM000048
00033	002100	II/ GRANGE-U PILIUKE XII/IA	CM000048
00034	002110	02 GPOS-ICON PICTURE KX.	CM000048
00035	002120	02 GMODEL PICTURE X(12).	CM000048
00036	002130	02 GNEG-ICON PICTURE XX.	CM000048
00037	002140	02 GSERIAL PICTURE X(10).	CM000048
00Q3B	002150	02 GPUS-DCON PICTURE XX.	CM000048
00039	CO2160	02 GFACILITY PICTURE XXXX.	CM000048
00040	002170	O2 GNEG-OCON PICTURE XX.	CM000048
00041	002180	02 GPURCHASED PICTURE X(10).	CM00004B
00042	002190	C2 GSHIELD PICTURE XX.	CM000048
00043	002200	OZ GCAL-RUN PICTURE XXX.	CM000048
00044	002210	02 GDAT-CAL PICTURE 9(6).	CM000048
G0045	002220	OZ GEXCITATION PICTURE S99V99.	CM000048
00046	002230	02 GTEMP PICTURE S9(6).	CM000048
00047	002240	OZ GBAROMETRIC PICTURE S99V99.	CM000048
00048	002250	02 GINPUTRES PICTURE S9(5) V9.	CM000048
00049	∵∵073010 ∵	32 GOUTPUTTES PICTURE S9(5)V9.	CM0C0048
00050	r03020	02 GINSUL-RES PICTURE S915)V9.	CM000048
00051	003030		CMOCOO48
00252	103040	J3 4VOA PICTURE S91714999.	CM000048
CC053	003050	33 MVOA PICTURE S9(7) V999. 33 MVCB - PICTURE S9(8) V99.	CM000048
	003050	03 4V25A PICTURE \$9(7)V999.	CM000048

00055	003070		03	MV258	PICTURE	S9(8)V99.		CM000048
00056	003090		03	MV50A	PICTURE	S9(7) V999.		CM000048
00057	003090		33	HV50B	PICTURE	\$9181799.		CM000048
00058	003130		73	MV75A	PICTURE	59(7) 7999.	•	CM000048
00059	003119		03	MV75B	PICTURE	59 [8] V99.		CM000048
00060	003120		73	_WAI 202	PICTURE	59(7) 4999.		CM000048
00061	003130		23	BOCIVM		S9(8)V99.		CM000048
00062	003140		03	MV75AA		591717999.		CM000048
00063	003150		03	MV7588		59 (8) V99.		CM000048
00064	003160		03	MV5UAA		591717999.		CM000048
00065	003170		03	MV50BB		5918) V99.		CM000048
00066	003180		03	MV25AA		S9171V999.		CM0C0048
00067	003190		03	4V25BB		S9(8)V99.		CM0C0048
00068	003200		03	AACVE		59 (7) 4999.		CM000048
00069	003210		03	MVOBB		S9(8) V99.		CM000048
00070	004010	02		PEATA SIL				CM000048
00071	004020		03	PSII	PICTURE	59141V99.		CM000048
00072	004030		23	PSIIU	PICTURE	Х.		CM000048
00073	004040		03	PSINV1	PICTURE	S999V999•		CM000048
00074	004050		03	PSI 2	PICTURE	\$9(4) 199.		CM000048
00075	004050		23	PSIZU	PICTURE	X.		CM000048
00076	004070		23	PSIMV2	PICTURE	59997999.		CM000048
000 77	004080		03	PS13	PICTURE	\$9(4) V99.		CM000048
00078	004090		03	PS13U	PICTURE	X .		CM000048
00079	004100		C3	PSIMV3	PICTURE	S999V999•		CM000048
00080	004113		03	PS14	PICTURE	59999V99.		CM000048
00081	004120		03	PS I 4U	PICTURE	Χ.		CM000048
00082	004130		03	PSINV4 PSI5	PICTURE	5999V999. 59999V99.		CM000048
00083	004140		Ģ3	PS 15U	PICTURE	X.		CM000048
00085	004150		03	PSIMV5	PICTURE	S999V999•		CM000048
00086	004170		-03-	PS16	PICTURE	S9999V99.		CM000048
00087	004190		23	PS I 6U	PICTURE	X.		CM000048
00088	004190		33	PSIMV6	PICTURE	\$999V999•	_	C#000048
00089	004203		03	PSI7	PICTURE	S 9 9 9 9 V 99		CM000048
00099	- CC4210-		-03-	PS 170	PICTURE	X.		CH000048
00091	004220		03	PSINV7	PICTURE	\$999 y 999		CM000048
00092	C05015	72		AL-TYP	PICTURE	XXX.		CM000048
00093	005620	02		AL-SN	PICTURE	XXX.		CM000048
00094	005030	02		1-41		5999799.		CM000048
00095	005040	02		TPSIA		5999V999.		CM000048
00096	005050	02		CALAC				CMD00048
00097	005060		03	CALACR1	PIC	TURE XX.		CM000048
00098	005070		-03	CALACRZ	PIC	TURE XX.		CM000048
00099	005090	02	GUN	BALANCE	PICTURE	5999V999.		CM000048
00100	005090	CZ	GUN	BNVO	PICTURE	X.		CM000048
00101	005100	92	GRC	AL-TKN	PICTURE	59999499.		CM000048
00102	035113	C2	GTK	N-PSTA	PICTURE	Х.		CM000048
00103	005120	92	GF S	-SEN	PICTURE	59994999.		CM000048
00104	005130	7 32		X-N-LIN		5999499.		CM000048
00105	005140	02		X-HYST		59999V99.		CM000048
00106	005150	¢2	GMA	X-V-REPT	PICTURE	299493.		CH0000048
00 1C7	005151	02		RR-P	PICTURE	х.		CM000048
00108	005160	02	-3-R					CM000048
00109	005170		93			59999749.		CM000048
00110	005190		_0.3	G-RNO2		299999999999		CM000048
00111	005190		03	G-RN03	PICTURE	299999499	. مند	~ CM000048

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00112	005200	02 G-RNL	CM000048
00112	005210	03 G-RN11 PICTURE \$9(5)V999.	CM000048
00114	005220	03 G-RN12 PICTURE \$91514999.	
00115	005230	03 G-RN13 PICTURE \$9(5)V99.	CM0C0048
00116	005240	03 G-RN14 PICTURE \$9(6) V999.	CM000048
00117	006010	02 G-RN2.	CM000048
00118	006020	03 G-RN21 PICTURE S9(5)V999.	CM000048
00119	006030	03 G-RN22 PICTURE \$9{5}¥999.	CM000048
00120	006040	03 G-RN23 PICTURE \$9(5)v99.	CM000048
00121	006050	03 G-RN24 PICTURE 59(6)V999.	CM000048
00122	.006060	02 G-RN3.	CM000048
00123	006070	03 G-RN31 PICTURE \$9(5) V999.	CM000048
00124	006080	03 G-RN32 PICTURE \$9(5)V999.	CM000048
00125	006090	03 G-RN33 PICTURE 59(5)V99.	CM000048
00126	006100	03 .G-RN34 PICTURE \$9(6) V999.	CM000048
00127	006110	02 G-KN44	LM000048
00128	006120	03 G-RN41 PICTURE S9(5) V999.	CM000048
00129	006130	03 G-RN42 PICTURE \$9(5)V999.	CH000048
00130	006140	03 G-RN43 PICTURE 59151V99.	CN000048
00131	006150	03 G-KW44 LICIONE 24(2)A444	CMUUUU48
00132	006160	02 G-RNOL.	CM000048
00133	006170	03 G-RNL1 PICTURE \$9(5)V9. 03 G-RNL2 PICTURE \$9(7)V999.	CM000048 CM000048
00134	006180 006190	03 G-RNL2 PICTURE S9(7)V999. 03 G-RNL3 PICTURE S9(5)V99.	CMD00048
00135	006190	02 GPS-DATE PICTURE 9(6).	CM000048
00137	006210	OZ GOP-AT PICTURE \$999V99.	CM000048
00138	006210		
00139	006230	02 GOP-PSIA PICTURE \$9999999. 02 GOP-UNB PICTURE \$9999999.	CM000048
00140	006240		
00141	006250	O2 GDP-FSS PICTURE S999V999.	011000040
00142	007010	02 BMAX-HYST PICTURE \$9999V99.	CM000048
00143	007020	O2 BMAX-N-REPT PICTURE 599V99.	CM000048
00144	007030	02 BCLEANFOR PICTURE X(20).	CM000048
00145	007040	02 BCALIBATI PICTURE 9(6).	CM000048
00146	007050	02 BCALIBAT2 PICTURE 9(6).	CM000048
00147	007051	02 FILLERL PICTURE X.	CM000048
00148	007060 01	NEWG.	CM000048
00149	007070	02 GIL PICTURE X OCCURS 747.	CM000048
00150		RKING-STORAGE SECTION.	CM000048
00151	007100 77	A PICTURE 9999 VALUE O.	CH000048
00152	007110 77	8 PICTURE 9999 VALUE 0.	CM000048
00153	007120 77	C PICTURE 9999 VALUE C.	CM000048
00154	007130 77	D PICTURE 9999 VALUE O.	CM000048
00155	007140 77		CM000048
00156	007150 77	N-SW PICTURE 9 VALUE 0.	CM000048
00157 -	008010 01	HOLD-GIL. TOZ GIL-REC OCCURS 58.	CM000048
00158		<u> </u>	CM000048
00159	008030	O3 G OCCURS 133 PICTURE X.	CM000048 CM000048
00160	009010 PKU	OPEN INPUT GIL-IN OUTPUT GIL-OT.	CM000048
00162	009020		
00163	009021 009030 FIR		CM000048
00164	009040	MOVE O TO A	CM000048
00165	009050	PERFORM READ-GILMORE 58 TIMES.	CM000048
00166	009060	MOVE 6 TO A. HOVE 70 TO 8. MOVE 1 TO C.	CM000048
00167	009070	PERFORM MOVE-DATA TO TIMES.	CM000048
0016		ARO A TO A HOVE 28 TO B.	CH000048
	Marie	terral for the second control of the second	man bag ing et Tie ber Geffen be ber

00169	009090	PERFORM MOVE-DATA 16 TIMES.	CM000048
00170	009100	MOVE 61 TO B.	CM000048
00171	009110	PERFORM MAKE-NUMERIC THRU MOVE-OATA 2 TIMES	CMOCO048
00172	009120	MOVE 64 TO B.	CM000048
00173	009130	PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES	CM000048
00174 .	009140	NOVE 67 TO 8.	CM000048
00175	009150	PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES	CM000048
00176	009160	ADO 1 TO A.	CM000048
00177	009170	MOVE 23 TO 8.	CM000048
00178	009180	PERFORM MOVE-DATA 12 TIMES.	CM000048
00179	009190	MOVE 64 TO B.	CM000048
00180	009200	PERFORM MOVE-DATA 20 TIMES.	CM000048
00181	009210	ADO 1 TO A. MOVE 16 TO 8.	CM000048
00182	009220	PERFORM MOVE-DATA 5 TIMES.	CM0 00048
00183	009230	MOVE 26 TO 8.	CM000048
00184	009240	PERFORM MOVE-DATA 12 TIMES.	CM000048
00185	010010 Z.	MOVE 77 TO B.	CM000048
001B6	010020	PERFORM MOVE-DATA. ADD 5 TO B. PERFORM MOVE-DATA.	CM000048
00 187	010030 Y.	A00 1 TO A. MOVE 23 TO B.	CM000048
00188	010040	PERFORM MOVE-DATA 12 TIMES.	CM000048
00189	010060	PERFORM Z.	C MO00048
00190	010090	ADD I TO A	CM000048
00191	010100	SUBTRACT 60 FROM B.	CM000048
00192	010110	PERFORM MOVE-DATA 10 TIMES.	CM000048
00193	010120	PERFORM Z.	CM000048
00194	010130	ADD 1 TO A. MOVE 34 TO B.	CM000048
00195	910140	PERFORM HOVE-DATA 4 TIMES.	CM000048
00196	010150	PERFORM Z.	CM000048
00197	010160	ADD 1 TO A. MOVE 32 TO 8.	CM000048
00198	010170	PERFORM MOVE-DATA 10 TIMES.	CM000048
00199	010180	PERFORM Z.	C MO 0 0 0 4 8
00200	010190	ADD 2 TO A. MOVE 50 TO B.	CM000048
00201	010200	PERFORM MOVE-DATA 3 TIMES.	CM000048
00202	010210	ADD 1 10 A. MUYE 42 10 0.	CMOCOO48
00203	010220 NN.	PERFORM MAKE-NUMERIC THRU MOVE-OATA 2 TIMES AOD 1 TO B.	CM000048
00204	010230	PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES ADD 1 TO B.	CM000048
00205	010240	PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES.	CM000048
00206	011010 00.	MOVE 17 TO A. MOVE 21 TO B.	CM000048
00207	011020	PERFORM MAKE-NEG THRU MOVE-OATA 2 TIMES.	CM000048
00208	011030	MOVE 24 TO B.	CM000048
00209	011040	PERFORM MAKE-NUMERIC THRU MOVE-OATA 2 TIMES.	CM000048
00210	011050	IF 4-SW = 1 SUBTRACT GEXCITATION FROM O GIVING GEXCITATION	CM000048
00211	011060	MOVE O TO M-SW. MOVE 45 TO B.	CM000048
00212	011070	PERFORM MAKE-NEG THRU MOVE-DATA 6 TIMES.	CM000048
00213	011080	IF M-SW = 1 SUBTRACT GTEMP FROM O GIVING GTEMP	CM000048
00214	011090	MOVE O TO 4-5W. MOVE 74 TO B.	CM0000C48
00215	011100	PERFURM MAKE-NEG THRU MOVE-DATA 2 TIMES.	CM000048
00216	011110	AUD 1 TO B.	CMUCUU46
00217	011120	ADD 1 TO 5. PERFORM MAKE-NUMERIC THRU MOVE-OATA 2 TIMES.	CM000048
00218	011130		CM0000048
00219	011140	SUBTRACT GBAROMETRIC FROM O GIVING GBAROMETRIC.	CM000048
00220	011150	MOVE 21 TO A. MOVE 25 TO 8.	CM000048
00221_	011160 W.	PERFORM MAKE-NEG THRU MOVE-DATA 5 TIMES.	C MO 00 04 8
	- 011170	AUD I IU B	CMOCCO48
00223	011180	PERFORM MAKE-NUMERIC THRU MOVE-CATA.	CMOCO048
00224	011190 U.	IF H-3W - I HOVE O TO H-3W	CM000048
00225	011200	SJBTRACT GINPUTRES FROM O GIVING GINPUTRES.	CM000048

00226	011210	MOVE 22 TO A MOVE 26 TO B. '	CM000048
00227	011220	AEKLIKW M.	CM000048
00228_	011230	IF M-SW = 1 MOVE O TO M-SW	CM000048
00229	011240	IF M-SW = 1 MOVE O TO M-SW SUBYRACT GOUTPUTRES FROM O GIVING GOUTPUTRES. ADD 1 TO A MOVE 30 TO B.	CM000048
00230	012010		0,10000
00231	012020	PEKEURM W.	CMUCUUSS
00232	012030	IF M-SW = 1 SUBTRACT 1 FROM M-SW GIVING M-SW MULTIPLY GINSUL-RES BY -1 GIVING GINSUL-RES.	CM000048
00233	012040	MULTIPLY GINSUL-RES BY -1 GIVING GINSUL-RES.	. CM00004B
00234	012050	MOVE 25 TO A. MOVE 59 TO B.	CH000048
00235	012060 V.	MOVE 25 TO A. MOVE 59 TO B. PERFORM MAKE-NEG THRU MOVE-DATA 7 TIMES.	C MODO 048
00236	012070	ADD 1 TO 8. PERFORM MAKE-NUMERIC THRU MOVE-DAYA 3 TIMES. 15 4-SW = 1 MGVE 0 TO M-SW	CM000048
00237	012080	PERFORM MAKE-NUMERIC THRU MOVE-DATA 3 TIMES.	CM000048
00238	012090 S.	1F 4-SW = 1 MOVE 0 TO M-SW	CM000048 CM000048
00239	012100	SUBTRACT MVOA FRON O GIVING MVOA. PERFORM MAKE-NEG THRU MOVE-GATA 8 TIMES.	CM000048
00240	012110 T.	PERFORM MAKE-NEG THRU MOVE-DATA 8 TIMES.	C M000048
00241	012120	ADD 1 TO B. PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES. IF M-SW = 1 MOVE 0 TO M-SW	CM000048
00242	012130	PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES.	CM000048
00243	012140 R.	IF M-SW = I MOVE O TO M-SW	CM000048
00244	012150	MULTIPLY MVOB BY -1 GIVING MVOB.	CM000048
00245	012160	4JVE 25 IU A. MUVE 59 IU 8.	CM000048
00246	012170	PERFORM V.	CM000048
00247	012180		
00248	012190	MULTIPLY MV25A BY -1 GIVING MV25A.	
00249	012200	PERFORM T.	CM000048
00250	012210	IF M-SW = 1 MOVE O TO M-SW SUBTRACT MV258 FROM O GIVING MV258. MOVE 27 TO A.	CM000048
00251	012220	SUBIRACI MVZOB FRUM U GEVING MVZOB.	CM000048
00252	012230	MOVE 27 TO A.	
00253	012240 C13010		CM000048 CM000048
00254 00255	013020 Q.	ADD C. 140 GIVING O. PERFORM OMAKE-NEG THRU OMOVE-GATA 4 TIMES ADD 1 TO B.	CM000048
00255	013020 4.	AND 1 TO B	CM000048
00257	013040	AGD 1 TO B. PERFORM DMAKE-NUMERIC THRU DMOVE-DATA 2 TIMES. IF N-SW = 1 MOVE 0 TO N-SW SUBTRACT PSIT FROM 0 GIVING PSIT.	CM000048
00258	013050 P.	IF N=SH = 1 MOVE O TO N=SH	CM000048
00259	013060	SUBTRACT PSI1 FROM O GIVING PSI1.	CM000048
00260	013070 D.		
00261	013080	PERFORM DMOVE-DATA.	CHOCOO48
00262	013090	PERFORM DMAKE-NEG THRU DMOVE-DATA 3 TIMES.	
02263	013100		
00264	013110	PERFORM DMAKE-NUMERIC THRU DMOVE-DATA 3 TIMES.	CM000048
00265	013120 Na	IF N-SW = 1 MOVE O TO N-SW	CM000048
00266	013130	IF N-SW = 1 MOVE O TO N-SW SUBTRACT PSIMVI FROM O GIVING PSIMVI.	CM000048
00267	013140	MBVE 59 TO 8.	CM000048
00258	013150	PERFORM V.	CM000048
00269	013160		
00270	013170	MULTIPLY MV50A BY -1 GIVING MV50A.	CM000048
00271	013130	PERFORM T.	CMDDDDD48
00272	013190	1F M-SW = 1 MOVE O TO M-SW MULTIPLY MV50B BY -1 GIVING MV50B. ADD 1 TO A. MOVE 9 TO B.	CM000048
00273	013_500	MULTIPLY MV50B RY -1 GIVING MV50B.	CM000048
00274	013210		
00275	013220	PERFJRM Q.	CM000048
00276	013230	IF N-SW = 1 MOVE 0 TO N-SW	CM000048
00277	013740	SUBIRACI PSIZ FROM O GIVING PSIZ.	CM000048
00278	013250	PERFORM O. IF N-SW = 1 MOVE O TO N-SW SUBTRACT PSIMV2 FROM C GIVING PSIMV2.	CM0C0048
06279	014010	IF N-SH = 1 MOVE O TO N-SW	CM000048
00280	014020	SUBTRACT PSIMV2 FROM C GIVING PSIMV2.	CM000048
00281	014030	WARE 34 13 0.	LM000040
00282	014040	PERFJRM V.	CM000048

00283	014050	IF M-SW = 1 MOVE O TO M-SW	CM000048
00284	014060	MULTIPLY MY75A BY -1 GIVING MY75A.	CM000048
00285	014070	PERFORM T.	CM000048
00286	014080	IF M-SW = 1 MOVE O TO M-SW	CM000048
00287	C14090	SUBTRACT MV758 FROM O GIVING MV758.	CM000048
00288	014100	MOVE 29 TO A MOVE 9 TO B.	CM000048
00289	014110	PERFORM Q.	CM000048
00290	C14120	IF N-SW = 1 MOVE O TO N-SW	CM000048
00291	014130	MULTIPLY PSI3 BY -1 GIVING PSI3.	·CM000048
00292	014140	PERFORM U.	CM000048
00293	014150	IF N-SW = 1 MOVE O TO N-SW	CM000048
00294	014160	MULTIPLY PSIMV3 BY -1 GIVING PSIMV3.	CM000048
00295	D1417 0	MOVE 59 TO 8.	CM000048
00296	014190	PERFORM V.	CM000048
00297	014190	IF M-SW = 1 MOVE O TO M-SW	CM000048
00298	014200	COMPUTE MVIOCA = MVIOCA * -1.	CM000048
00299	014210	PERFORM T.	CM000048
00300	014220	IF M-SW = 1 MOVE O TO M-SW	CM000048
00301	014230	COMPUTE MV1008 = (0 - MV1008).	CM000048
00302	014240	HOVE 30 TO A. MOVE 9 TO B.	CN000048
00303	014250	PERFORM Q.	CM0 0004 B
00304	015010	IF V-54 = 1 MOVE O TO N-5W	CM000048
00305	015020	COMPUTE $PSI4 = \{PSI4 + -1\}$.	CM000048
00306	.015030	PERFORM D.	CN000048
00307	015040	IF N-SA = 1 MOVE O TO N-SW	CM000048
00308	015050	COMPUTE PSIMV4 = (PSIMV4 + -1).	CM000048
00309	015060	MOVE 59 TO B.	CM000048
00310	015070	PERFORM V.	CM000048
00311	015089	IF M-SW = 1 MOVE O TO M-SW	CM000048
00312	015090	COMPUTE MV75AA = (0 - MV75AA).	CM000048
00313	015100	PERFORM T.	CM000048
00314	015110	IF M-SW = I MOVE O TO M-SW	CM000048
00315	015120	COMPUTE MY7588 = (0 - MY7588).	CM000048
00316	015130	NOVE 31 TO A MOVE 9 TO B.	CM000048
00317	015140	PERFORM Q.	CM000048
00318	015150	IF N-SW = 1 MOVE O TO N-SW	CM000048
00319	015160	COMPUTE PSI5 = (PSI5 / -1).	CM000048
00320	015170	PERFORM O.	CM000048
00321	015180	IF N-SH = 1 MOVE O TO N-SH .	CM000048
00322	015190	COMPUTE PSIMV5 = (PSIMV5 * -1).	CM000048
00323	015200	MOVE 59 TO 8.	CM000048
00324	015210	PERFORM V.	CM000048
00325	015220 015230	IF M-SW = 1 MOVE 0 TO M-SW COMPUTE MV50AA = (MV50AA / -1).	CM000048
00326	015240	PERFORM T.	CM000048
00327	015250	IF M-SW = I MOAF O IO M-SM	CM000048
00328	015250	COMPUTE MV5088 = MV5088 + -1.	CM000048
00330	016020	HOVE 32 TO A. MOVE 9 TO B.	CM000048
00330	016020	PERFORM Q.	CM000048 CM000048
00332	016040	IF N-SW = I MOVE O TO N-SW	CM000048
00332	016050	COMPUTE PS16 = (0 - PS16).	CM000048
00333	016060	PERFURM U.	CM000048
00335	. 016070	IF N-SW = 1 MOVE O TO N-SW	CM000048
-00336	016080	COMPUTE PSIMV6 = (PSIMV6 * -1).	CH000048
00337	016090	MOVE 59 TO 8.	CM000048
00337	016100-	PERFORM V.	CN000048
00339	016110	TE MEN - 1 MONE & TO MEN	CHOOODAR
. 00237	010110	The wage a to wage	

00340	016120	COMPUTE MY25AA = (MY25AA + -1).	CM000048
00341	016130	PERFORM T.	CM000048
00342	016140	IF M-SW = 1 MOVE O TO M-SW	CM000048
00343	016150	COMPUTE MV25BB = INV25BB + -11.	CM000048
00344	016160	MOVE 33 TO A. MOVE 9 TO 8.	CM000048
00345	016170	PERFORM Q.	CN000048
00346	016180	IF N-SW = 1 MOVE 0 TO N-SW COMPUTE PSI7 = (0 - PSI7).	CM000048 CM000048
00347	016190		CM000048
00348	016200 016210	PERFORM O. IF N-SW = 1 MOVE O YO N-SW A	CM000048
00350	016220		
00351		SUBTRACT PSIMV7 FROM O GIVING PSIMV7.	CM000048
00352	016240	PERFORM V.	CM000048
00352	016250	IF M-SW = 1 MOVE O TO M-SW	CM000048
00354	017010	COMPUTE MYOAA = (MYOAA + -1).	CM000048
00355	017020	PERFORM T.	CH000048
00356	017030	IF N-SW = 1 MOVE O TO M-SW	CM000048
00357	017040	COMPUTE MVOBB = (NVOBB * -1).	CM000048
00358	017050	MOVE 37 TO A. MOVE 65 TO B. MOVE O TO C.	
00359	017060	PERFORM MOVE-DATA 3 TIMES.	CM000048
00360	017070	ADD 3 TO 8.	CM000048
00361	017080	PERFORM MOVE-DATA 3 TIMES.	CHOCOO48
00362	017090		
00363	017100 K.	MOVE 38 TO A. MOVE 18 TO 8. PERFORM MAKE-NEG THRU MOVE-DATA 3 TIMES. ADD 1 TO R.	CM000048
00364	017110	ADO 1 TO 8.	CM000048
00365	017120	ADO 1 TO B. PERFORM MAKE-NUMERIC THRU MOVE-OATA 2 TIMES. IF M-SW = 1 MOVE O TO M-SW	CM000048
00366	017130 H.	IF M-SW = 1 MOVE 0 TO M-SW	CM000048
00367	017140	CUMPUIC GUUITAI = LGGUITAI + -1/a	C4000040
00368	017150	MJVE 29 TO B. PERFORM MAKE-NEG THRU MOVE-DATA 3 TIMES. AOO 1 TO 8. PERFORM MAKE-NUMERIC THRU MOVE-DATA 3 TIMES. IF M-SW = 1 MOVE 0 TO M-SW	CM000048
00369	017160	PERFORM MAKE-NEG THRU MOVE-DATA 3 TIMES.	CM000048
00370	017170	A00 1 TO 8.	. CM000048
00371	017180	PERFORM MAKE-NUMERIC THRU MOVE-DATA 3 TIMES.	CM000048
00372	017190		
00373	017200	COMPUTE GOUTPSIA = (GOUTPSIA + -1).	CM000048
00374	017210	MOVE 71 TO B.	C M000048
00375	017220	PERFORM MOVE-DATA 2 TIMES.	CM00004B
00376	017230	MOVE 78 TO 8.	- CM000048
00377	017240	PERFORM MOVE-DATA 2 TIMES.	CM000048
00378	017250	MOVE 39 TO A. MOVE 18 TO B. PERFORM MAKE-NEG THRU MOVE-DATA 3 TIMES. ADO 1 TO B.	CM000048
00379	018010 L.	PERFORM MAKE-NEG THRU MOVE-DATA 3 TIMES.	CM000048
00380	018020	ADO 1 TO B. PERFORM MAKE-NUMERIC THRU MOVE-DATA 3 TIMES. IE M-SW - 1 MOVE O TO M-SW	CM000048
00381	018030	PERFORM MAKE-NUMERIC THRU MOVE-DATA 3 TIMES.	CM000048
00382	018040 J.	TE H-3M - T HOTE O TO H-3M	CHOOCTO
00383	018050	COMPUTE GUNBALANCE = (GUNBALANCE * -1).	CM000048 CM000048
00384	018060	MOVE 42 TO 8. PERFORM MOVE-DATA.	
00385	018070		CN000048
00386	018080 018090 F.	PERFORM MAKE-NEG THRU NOVE-DAYA 4 TIMES.	CH000048 CH000048
00388			
00389	018100 018110	AOD 1 TO 8. PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES. IE M-SW = 1 MOVE 0 TO M-SW	CM000048
00389		, IF M-SW = 1 MOVE 0 TO M-SW	CM000048
00390	018130 GA	, IF M-SW = 1 MOVE 0 TO M-SW COMPUTE GRCAL-TKN = IGRCAL-TKN * -1). MOVE 80 TO 8.	CM000048
00392	018140	MOVE 80 TO 8.	CM000048
00393	018150	PERFORM NOVE-DATA.	CM000048
00394	018160	MOVE 40 TO A. MOVE 19 TO 8.	CN000048
00395	018170	PERFORM L.	CM000048

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00397	018190	COMPUTE GFS-SEN = (GFS-SEN * -1).	CM000048
00398	018200	MOVE 41 TO A. MOVE 20 TO B.	CM000048
00399	018210	PERFORM K.	CM000048
00400	018220	IF M-SW = 1 MOVE O TO M-SW	CM000048
00401	018230	COMPUTE GMAX-N-LIN = (GMAX-N-LIN * -1).	CM000048
00402	018240	MOVE 42 TO A. MOVE 19 TO B.	CM000048
00403	018250	PERFORM F.	CM000048
00404	019010		
00405	019020	COMPUTE GMAX-HYST = (GMAX-HYST * -1).	CM000048
00406	019030	MUVE 43 TU A. MOVE Z1 TO B.	CM000048
00407 00408	019040 019050	PERFORM MAKE-NEG THRU MOVE-DATA 2 TIMES. ADD 1 TO B	CM000048
00408	019060	PERFORM MAKE-NEG THRU MOVE-DATA 2 TIMES.	LMUUUU48
00410	019061	IF N-SW = 1 MOVE O TO N-SW MOVE 99.99 TO GMAX-N-REPT.	
00410	019070	TO M CIL . A MOUE A TO M CIL	CM000048
00412	019080	CJMPUTE GMAX-N-REPT = (GMAX-N-REPT * -1).	CM000048
00413	019090	MOVE 81 TO 8.	CM000048
00414	019100	PERFORM MOVE-DATA.	CM000048
00415			CM000048
00416	019120 11	MENTANA MAYE NEC YUNII WAVE NATA E TIMEE	CM300048
00417	019130	ADO 1 TO 8. PERFORM MAKE-NUMERIC THRU MOVE-DATA.	CM000048
00418	019140	PERFORM MAKE-NUMERIC THRU MOVE-DATA.	CM000048
00419		IF M-SW = 1 MOVE O TO M-SW	CM000048
00420	019160	COMPUTE G-RNO1 = (G-RNO1 + -1)	CN000048
00421	019170 KK.	PERFORM MAKE-NEG THRU MOVE-DATA 7 TIMES.	CM000048
00422	019180	ADD 1 TO B.	CM000048
00423	019190	PERFORM MAKE-NUMERIC THRU MOVE-OATA 3 TIMES.	CM000048
00424	019200 LL:	PERFORM MAKE-NUMERIC THRU MOVE-OATA 3 TIMES. IF M-SW = 1 MULTIPLY G-RNO2 BY -1 GIVING G-RNO2	CM000048
00425	019210	MOVE O TO M-SW.	CM000048
00426	019220	PERFORM CC.	CMO00048
00427	019230	IF M-SW = 1 MOVE O TO M-SW	CM000048
00428	019240	COMPUTE G-RN03 = (G-RN03 * -1).	CM000048
00429	019241	IF N-SW = 1 MOVE 99999.99 TO G-RNO3 MOVE O TO N-SW.	- FIRMANIAN A
00430	019250	ADD C, 151 GIVING D.	CM000048
00431	020010	MOVE 47 TO A MOVE 24 TO 8. PERFORM DMAKE-NUMERIC THRU DMUVE-DATA 2 TIMES.	CM000048
00432 00433	020020	A00 1 TO 8	CM000048
00434	020040	PERFORM DHAKE-NUMERIC THRU DHOVE-DATA 2 TIMES.	CM000048
00435	020050	A00 1 TO B.	CM000048
00436	020050	PERFURM DMAKE-NUMERIC THRU DMUVE-DATA 2 TIMES.	CM000048
00437	020070	MOVE 49 TO B.	CM000048
00438		PERFORM MAKE-NEG THRU MOVE-DATA 5 TIMES.	CM000048
00439	020090	400 1 70 8	C M000048
00440	020100	PERFORM MAKE-NUMERIC THRU MOVE-DATA 3 TIMES.	CM000048
00441	020110 88.	IF M-SW = 1 MOVE O TO M-SW	CM000048
00442	020120	CJMPUTE G-RNI] = (G-RNI] # -I7.	CA000048
00443	020130	PERFORM AA.	CM000048
00444	020140	IF M-SW = I MOVE O TO M-SW	CMO000048
00445	020150	COMPUTE G-RN12 = (G-RN12 + -1).	CM0 00 04 8
00446	020160 CC.	COMPUTE G-RN12 = (G-RN12 * -1). PERFORM MAKE-NEG THRU MOVE-DATA 5 TIMES.	CM000048
00447	OLU LIU	ADD 1 TO 8.	CM00004B
00448	020180	ADD 1 TO B. PEXFORM MAKE-NUMERIC THRU MUVE-DATA 2 TIMES. IF M-SW = 1 MOVE 0 TO M-SW	CM000048
00449			CM000048
00450	020200	CUMPUTE G-KNIS = (G-KNIS + -1).	CH000048
00451		PERFORM MAKE-NEG THRU MOVE-DATA 6 TIMES.	CM000048
00452	020220	ADD I TO B.	CM000048
00473	020230	PERFORM MAKE-NUMERIC THRU MOVE-DATA 3 TIMES.	CMUVUU48

00454		IF M-SW = 1 MOVE 0 TO M-SW	CM000048
00455	020250	COMPUTE G-RV14 = (G-RV14 + -1).	CN000048
00456	021010	IF N-SW = 1 MOVE 999999.999 TO G-RN14 MOVE O TO N-SW.	C M0 00 04 8
00457	021020	MOVE 48 TO A. MOVE 49 TO B.	CM000048
00458	021030	PERFORM AA.	CN000048
00459	021040	IF M-SW = 1 MOVE O TO M-SW	CM000048
00460	021050	COMPUTE G-RN21 = {G-RN21 * -1}.	
00461	021060	PERFORM AA. IF M-SW = 1 MOVE 0 TO M-SW COMPUTE G-RN22 = (G-RN22 * -1).	CMD00048
00462	021070 021080	IF M-SW = 1 MOVE 0 TO M-SW COMPUTE G-RV22 = (G-RV22 * -1).	CM000048
00464	021080		
00465	021100	PERFORM CC. IF M-SW = 1 MOVE O TO M-SW	CM000048
00466	021110	COMPUTE G-RN23 = (G-RN23 * -1).	
00467	021110	PERFORM EE.	CM000048
00468	021120		
00469	021140	IF M-SW = 1 MOVE 0 TO M-SW COMPUTE G-RN24 = (0 - G-RN24).	CM000048
00470	021150	IF N-SW = 1 MOVE 999999.999 TO G-RN24 MOVE O TO N-SW.	CM000048
00471	021160	MOVE 49 TO A. MOVE 18 TO B.	CM000048
00472	021170	PERFORM DMAKE-NEG THRU DMOVE-DATA 3 TIMES	CM000048
00473	021180	ADD 1 TO B.	CN007048
00474	021190	PERFORM DMAKE-NUMERIC THRU DMOVE-DATA 2 TIMES.	CM000048
00475	021200	IF N-SW = 1 MOVE O TO N-SW	CM000048
00476	021210	MOVE 999.99 TO GOP-AT.	CM000048
00477	021220	16 W-2M = 1 WOAF O IO W-2M	CM000048
00478	021230	COMPUTE GOP-AT = (GOP-AT * -1).	CM000048
00479	021240	MOVE 29 TO B.	
00480	021250 GG.	PERFORM DMAKE-NEG THRU OMOVE-DATA 3 TIMES.	CM000048
00481	022010	A10 1 70 B.	CMODODAN
00482	022020	PERFORM DMAKE-NUMERIC THRU DMOVE-DATA 3 TIMES.	CM000048
00483		TE W-2M = T WOAF O IN W-2M	CM000048
00484	022040	MDVE 999.999 TO GOP-PSIA.	CM000048
00485	022050	IF M-SW = 1 MOVE O TO M-SW	CM000048
00486	022060	IF M-SW = 1 MUVE 0 TU M-SW COMPUTE GOP-PSIA = (GOP-PSIA * -1).	CM000048
00487	022070	MUVE 49 IU B.	CM000048
00488	022080	PERFORM AA.	CM000048
00489	022090	TE W-2M = 1 WAAF O IA W-2M	LMQ000048
00490	022100	COMPUTE G-RN31 = (G-RN31 * -1).	CM000048
00491	022117		
00492	C22120	IF M-SW = 1 MOVE 0 TO M-SW COMPUTE G-RN32 = (G-RN32 + -1).	CM000048
00493	022130	CJMPUIE G-RN32 = (G-RN32 = -1).	CM000048
00494	_022140 022152	PERFORM CC. IF M-SW = 1 MOVE O TO M-SW COMPUTE G-RN 33 = (G-RN 33 * -1).	CMOOOV46
00495	022160	COMDUTE C = 0 MOME O TO M=2M $TE M=2M = -1 MOME O TO M=2M$	CHOCOO48
00497	022170	PERFORM EE.	CM000048
C0493	022180		011000040
00499	222190	IF M-SW = 1 MOVE 0 TO M-SW; CUMPUTE G-RN34 = (0 - G-RN34).	PANTOTORS
00500	C22200		
00501	022210	IF N-S4 = 1 MOVE 0 TO N-SW DVE 979992.999 TO G-RN34.	CHOOCOAS
00502	022220	MONE ES TO A MONE LO TO D	CM000048
00503	022230	PEKFIRM GG.	CM000048
30504	M22240		
02505	022250	Character Coop and Copy Copy Copy	CM000048
00506	223010	1E N-SW = 1 MOVE 2 TO N-SW	CM000048
00507	023020	MIVE 299.999 TO GOP-UNB.	CM000048
20503	023030	M3VE 49 T) B.	CM000048
97500	023040	CUMPUTE GUP-UNB = GUP-UNB * -1. 1F N-SW = 1 MOVE ? TO N-SW M3VE 49 T) B. PERFORM AA. LE MSS = A. MOVE ? TO M-SW	CMOOCO48

00511	023060	CG4PUTE G-RN41 = G-RN41 + -1.	CM000048
00512	023070	PERFORM AA.	CM000048
00513	023080	IF M-SA = 1 MOVE O TO M-SW	CM000048
00514	~023C90~~	CJ4PUTE G-3442 = (5 - G-R442).	CM000048
00515	023199	PERFORM CC.	CM000048
00516	023110	1F M-SW = 1 MOVE O TO M-SW	CM000048
00517	023120	IF M-SW = 1 MOVE O TO M-SW CJMPUTE G-RN43 = (G-RN43 * -1).	CM000048
00518	023130	PERFURY EF.	CM000048
00519	C23140	IF M-SW = 1 MOVE O TO M-SW	CM000048
00520	023150	COMPUTE G-RV44 = G-RV44 + -1.	C#000048
00521	023160	IF N-SW = 1 MOVE 0 TO N-SW	CM000048
00522	023170	MUVE 99999, 999 TU G-RN44.	CM000048
09523	023190	MOVE 51 TO A. MOVE 19 TO B.	CM000048
00524	023190	PERFORM GG.	CN0 00048
00525	023200	IF 4-S4 = 1 40VE 0 TO M-SW	CM000048
00526	023210	CJMPUTE GTP-FSS = GOP-FSS * -1.	CM000048
00527	023220	IF N-SH = 1 MOVE O TO N-SH	CM000048
00528	C23230	MOVE 979, 999 TO GOP-FSS.	CM000048
00529	023240	MOVE 49 TO B.	CM000048
00530	023250	PERFURM II.	CM000048
90531	024010	IF M-SH = 1 MOVE O TO M-SW	. CM000048
00532	024020		CM000048
00533	024030	COMPUTE G-RNL1 = G-RNL1 * -1. PERFORM KK. IF M-Sw = 1 MOVE O TO M-SW COMPUTE G-RNL2 = G-RNL2 * -1.	CM000048
00534	024040	IF M-SW = 1 MOVE O TO M-SW	CH000048
00535	024050	COMPUTE $G-RNL2 = G-RNL2 + -1$.	CM000048
00536	024 060	PERFORY CC.	CN000048
00537	024070	1F M-SW = 1 MOVE O TO M-SW	CM000048
00538	024030	COMPUTE G-RNL3 = G-RNL3 * -1.	CM000048
00539	024090	MOVE D TO C.	CM000048
00540	024100	MUVE 52 TO A. MOVE 20 TO B.	CH000048
00541	024110	PERFORM K.	•
00542	024120 ***	IF M-SA = I MOVE O TO M-SW	CM000048
00543	024130	COMPUTE BMAX-N-LIN = (BMAX-N-LIN * -1).	CM000048
00544	C24140	IF N-SW = I MOVE 9999.99 TO BMAX-N-LIN MOVE O TO N-SW.	CM000048
00545	024150	MUVE 53 TO A. MOVE 19 TO B.	CM000048
00540	024160	PERFORM F.	CN000048
00547	024170	IF M-SA = 1 MOVE O TO M-SW	CM000048
00548	024180	COMPUTE BYAX-HYST = (BMAX-HYST + -1).	CM000048
00549	024190	IF N-SW = 1 MOVE 9999.99 TO BMAX-HYST NOVE-O TO N-SW.	CM0C0048
20550	024233	MOVE 54 TO A. MOVE 21 TO B.	CM000048
00551	C24210	PERFORM MAKE-VEG THRU MOVE-DATA 2 TIMES.	CM000048
700552	024223	ADD I TO B.	CN000048
00553	024230	PERFORM MAKE-NUMERIC THRU MOVE-DATA 2 TIMES.	CM000048
20554	C24245	IF M-SW = 1 MOVE O TO M-SW	CA000048
00555	024250	COMPUTE BMAX-N-REPT = BMAX-N-REPT + -1.	C M000048
00556	025010	IF N-SW = 1 MOVE O TO N-SW	CM000048
00557	025020	MOVE 99.99 TO BMAX-N-REPT.	CM000048
	025030	MOVE 65 TO 8.	CM000048
00559	025049	PERFORM MOVE-DATA 20 TIMES.	CM000048
00360	- 525050 -	MOVE 57 TO A. MOVE 64 TO B.	CM000048
00561	025060	PERFORM NN. MOVE 77 TO B.	CMOCCO48
00562	025070	PERFORM NY.	CM000048
20553	025080	WRITE GOT.	CM000048
70564	025179	GO TO FIRS.	CN000048
00565	025110 G-		CM000048
70566	-025120	CLOSE GIL-IN GIL-OT.	CM000048
	025130	STOP RUN.	971000070

00568	026010	READ-GILMORE.	CM000048
00569	026020	READ GIL-IN AT ENO GO TO G-EDF.	CM000048
00570	026030	ADD 1 TO A	CM000048
00571	026040	MOVE GIN TO GIL-REC (A).	CM000048
00572	026050	MAKE-NEG.	CM000048
00573	026060	IF G (A, B) = '-' MOVE I TO M-SH	CM000048
00574	026070	MOVE SPACE TO G (A, B).	CM000048
00575		IF G (A, B) = ** HOVE 1 TO N-SW.	
00576	026080	MAKE-NUMERIC.	CM000048
00577	026090	IF G (A, B) = SPACE MOVE 'O' TO G (A, B).	CM000048
00578	026100	IF G (A, B) = 'N' OR G (A, B) = 'A' MOVE 1 TO N-SW.	CM000048
00579	026110	MOVE-DATA.	CM000048
00580	026120	MOVE G (A. B) TO GIL (C).	CM000048
00581	026130	ADD 1 TO B. AOO 1 TO C.	CM000048
00582	026140	DMAKE-NEG.	CM000048
00583	026150	(F G (A, B) = "-" MOVE 1 TO M-SW	CM000048
00584	026160	MOVE SPACE TO G (A, B).	CM000048
00585		IF G (A, B) = ** MOVE 1 TO N-SW.	
00586	026170	OMAKE-NUMER IC.	CM000048
00587	026180	IF G (A, B) = SPACE MOVE 'O' TO G (A, B).	CM000048
00588	026190	IF G (A, B) = 'N' OR G (A, B) = 'A' MOVE 1 TO N-SW.	CM000048
00589	026200	DMOVE-DATA.	CM000048
00590	026210	MOVE G (A, B) TO GIL (O).	CM000048
00591	026220	ADD 1 TO B. ADD 1 TO D.	CM000048

00001	01	IOE	NTIFICATION	DIVISICA.	CM000020
00002	001010	PRO	GRAM-10. 'CI	M000023°•	CM000023
00003 *	* 04	ENV	IRONMENT DI	VI SI CN.	CM000020
00004	05		FIGURATION !		CM000020
00005	06	SOUP	RCE-COMPUTE		CM000020
00006	07		ECT-COMPUTE		CM000020
00007	08		UT-OUTPUT SI	ECTION.	CM000020
80000	09	FILE	E-CONTROL.	DES 10-000 UTUES INVODOC BESTERN DE CONC.	CM00002C
00009	10		,	SELECT A-FILE ASSIGN "AFILEREC" UTILITY.	CM00002G
00010	11			SELECT B-FILE ASSIGN 'BFILEREC' UTILITY.	CMOCOC20
00011	12			SELECT C-FILE ASSIGN 'CFILEREC' UTILITY.	CM000020
00012	1030			SELECT ADUT ASSIGN 'ADUTREC' UTILITY.	
00013	1040			SELECT BOUT ASSIGN "BOUTREC" UTILITY.	
00014	1050	58	95 E 37539	SELECT COUT ASSIGN 'COUTREC' UTILITY.	393
00015 *	* 01	DAT	A DIVISION.		CM000020
00016	02	FILE	E SECTION.	THE RESIDENCE OF THE PARTY OF T	CM000020
00017	03	FD	A-FILE	RECORD CONTAINS 80 CHARACTERS	CM000020
00018	04			LABEL RECORDS ARE STANDARO	CM000020
00019	05			RECORDING MODE IS F	CM000020
00020	06			BLOCK CONTAINS I RECORDS	CMOCOC2G
00021	07			CATA RECORD IS A-REC.	C MO 0 0 0 5 0
00022	60	01	A-REC.		CM000020
00023	09		02 FILLER	PICTURE X(3).	
00G24	10		02 FILLER		
00025	11		02 FILLER	PICTURE X(76).	
00026	14	FD_	B-FILE	RECORO CONTAINS 80 CHARACTERS	C MO 0D02C
00027	15			LABEL RECUROS ARE STANDARD	CM00002C
00028	16			RECORDING MODE IS F	CM0 00 020
00029	17			BLOCK CONTAINS 1 RECORDS	CM000020
00030	18			DATA RECORD IS B-REC.	CM000020
00031	19	01	B-REC.	. 1	CM000020
00032 *	* 19		02 FILLER		
00033	20		02 FILLER	PICTURE 9.	
00034	21		02 FILLER		11920 - 01
00035 *	* 01	FD	C-FILE	RECORC CONTAINS 80 CHARACTERS	CM000020
00036	02			LABEL RECORDS ARE STANDARD	CM000020
00037	03		2/3	RECORDING MODE IS F	CM0 CO 020
00038	04		BLOCK CONT	AINS 1 RECORDS	CM000020
00039	05		WW.	CATA RECORD IS C-REC.	CM000020
00040	06	01	C-REC.	5 T	C MO 00 02 0
00041	45		02 FILLER	PICTURE X(4).	
00042	451		02 FILLER	PICTURE 9.	
00043	452		02 FILLER		
00044	001060		ADUT	RECORD CONTAINS 80 CHARACTERS	CM000023
00045	001070			LABEL RECORDS ARE STANDARD	CM000C23
00046	001080			RECORDING MODE IS F	CM000023
00047	001090			BLOCK CONTAINS 45 RECORDS	CM000023
00048	001100			DATA RECORO IS ACARD.	CM000023
00049	001110	91	ACARD.		CM000023
00050 *			02 FILLER		
00051	1121		02 FILLER		
00052	1122		02 FILLER		
				DECORD CONTACTE OF CARRESTS	CM0000023
00053	001130	FU	BOUT	RECORD CONTAINS 80 CHARACTERS LABEL RECORDS ARE STANDARO	CM000023

0 0 0 5 CO 1 1 50 RECORDING MODE IS F	CM000023
00056 001160 BLUCK CONTAINS 45 RECORDS	C MO 00 023
00057 001170 CATA RECORD IS BCARD.	CM000023
00053 001180 01 BCARO.	CM000023
00059 ** 1180 02 FILLER PICTUPE X(4).	
00060 1181 U2 FILLER PICTURE 9.	
00061 1182 02 FILLER PICTURE X(75).	
00052 001200 FD COUT RECORD CONTAINS BO CHARACTERS	C MO 00 02 3
00063 001210 LABEL RECORDS ARE STANDARD	CM000023
00064 001223 RECUROING MODE IS F	CM000023
00065 001230 BLOCK CONTAINS 45 RECORDS	CM000023
OCO65 OO1240 CATÁ RECORD 15 CCARD.	CM000023
00067 ** 2010 01 C-CARD.	
00068 2020 02 FILLER PICTURE X(4).	
00069 2021 02 FILLER PICTURE 9.	
00070 2022 02 FILLER PICTURF X(75).	
00071 ** I9 WORKING-STORAGE SECTION.	CM000020
00072 20 77 LN-CT PICTURE S99 COMPUTATIONAL-3 VALUE ZERG.	CM000020
00073 002030 PROCEDUPE DIVISION.	CM000023
00074 002040 START, OPEN INPUT A-FILE, OPEN INPUT B-FILE, OPEN INPUT C-FI	
00075 002050 UPEN OUTPUT AQUT. OPEN OUTPUT AQUT. OPEN OUTPUT COUT.	CM000023
00076 002062 A-READ. READ A-FILE AT END GO TO 8-ENTRY.	CM000023
00077 002070 WRITE ACARO FROM A-REC. GO TO A-READ.	CM000023
00078 COZCSO B-ENTRY. READ B-FILE AT END GO TO C-ENTRY.	CM000023
00079 C02090 MRITE BCARD FROM B-REC. GO TO B-ENTRY.	CM200023
00080 CO2120 C-ENTRY. READ C-FILE AT FND GO TO ENDIT.	CM000C23
00091 002110 WRITE C-CARD FROM C-REC. GO TO C-ENTRY.	C MO 00 02 3
00082 002127 ENDIT. CLOSE A-FILE. CLOSE B-FILE. CLOSE C-FILE. CLOSE ADUT.	CM000023
00083 002130 CLUSE BOUT. CLOSE COUT.	C4000023
00084 002140 STOP KUN.	CM000023

00001	0°101	IDENTIFICATION DIVISION.	CM000050
00002	00172	PRJGRAM-ID. 'CMC00050'.	CM000050
00003	GC103	AUTHOR. JACK ROSE.	CM000050
00004	22104	INSTALLATIUN. ARO INC TULLAHOMA TENN.	CM000050
~000 0 5	00105	DATE-HRITTEN. OCT 16, 1967.	CM000050
00006	00106	DATE-COMPILED. DEC 14,1968	CM000050
00007	00107	SECURITY.	CM000050
00008	00108	REMARKS. PROGRAM SELECTS MOST RECENT TAANSDUCER FROM GILMORE.	CM000050
00009	00109	ENVIRONMENT DIVISION.	CH000050
00019	00110	CONFIGURATION SECTION.	CM000050
	CO111	SOURCE-COMPUTER. 184-360 H50.	CM000050
00012	00112	OBJECT-COMPUTER. IBM-360 H50.	CM0C0050
00013	00113	INPUT-OUTPUT SECTION.	CM0 C0050
00014	00114	FILE-CONTRUL.	CM000050
00015	00115	SELECT GIL-IN ASSIGN TOOL UTILITY.	CM000050
00016	00116	SELECT GIL-OUT ASSIGN '0001' UTILITY.	CMOCOO50
-00017°	CO117	DATA OTVISION.	CM000050
00019	00118	FILE SECTION.	CM000050
<u>. QCUIA</u>		FD GIL-IN RECORDING F BLOCK 1 RECORDS RECORD 747	CM0000050
00020	00227	LABEL RECOROS STANDARD OATA RECORD IGIL.	CM000050
00021	00.221		CM000050
00022	00222	02 FILLER PICTURE X(10).	CM000050
00023	00223	DZ INSTR-NO PICTURE X(16).	CMC0005C
00024	00224	02 FILLER PICTURE X(104).	CM000050
00025	00225	02 CAL-DATE.	CM000050
	**00201	03 CMO PICTURE 99.	CM000050
C0027	00.50.5	OR CDY PICTURE 99.	CM000050
00028	00203	03 CYR PICTURE 99.	CM000050
00029	00204	CZ FILLER PICTURE X(611).	CMOCOO50
00030	00206	FD GIL-OUT RECORDING F BLOCK 1 RECORDS RECORD 747	CM000050
00031	00207	LABEL RECURDS SYANDARD DATA RECORD UGIL.	CMOCOUSU
00032	00203	O1 OGIL.	CM000050
00033	00209	32 FILLER PICTURE X(747).	CH000050
00034	00210	WORKING-STORAGE SECTION.	CM0C0050
00035	00211	77 INS-SW PICTURE X(16) VALUE SPACE.	CM000050
00036		PROCEOURE DIVISION.	CH000050
00037	00302	OPEN INPUT GIL-IN OUTPUT GIL-OUT.	CM000050
00038	00303	READ GIL-IN AT END GO TO EOF.	CMC00050
00039	003031	SET-SW. MOVE IGIL TO DGIL.	CM000050
00040 00041	00305		CM000050
00041	00306		CM000050
00042	00307	READG. READ GIL-IN AT END. GD TO EDF.	CM000050
00043	00307	IF INSTR-NO = INS-SW MOVE IGIL TO OGIL GO TO READG.	CM000050
00044	00310	WRITE UGIL.	CM000050
00045	00310	GO TO SET-SW.	CM000050
00047	00312	EDF.	CMOCCOSO
00041	00313	WRITE OGIL.	CM000050
00049	00314	CLUSE SIL-IN GIL-OUT.	CM000050
00050	00314	STOP RUN.	CM000050
00000		JIOF NOR6	CHOOODO

003120

001010 IDENTIFICATION DIVISION. CM000051 001020 PROGRAM-ID. 'CM000051'. CM000051 00002 001030 AUTHOR. JACK ROSE. CH000051 00003 001040 INSTALLATION. ARO INC TULLAHOMA TENN. " CM000051 00004 001050 DATE-WRITTEN. OCT 26, 1967. 00005 CH0000051 00006 001060 OATE-CUMPILEO. DEC 14,1968 CM000051 CM000051 00007 001070 SECURITY. 00008 001080 REMARKS. PROGRAM UPDATES PRESSURE TRANSOUCER ON MASTER. CM000051 . NOTSIVIO THE PROPINCE COLOO 00009 CM000051 001100 CONFIGURATION SECTION. CM0000051 00010 OCITIO SOURCE-COMPUTER. IB4-360 H50. 00011 CM000051 00012 001120 D8JECT-COMPUTER. IBM-360 H50. CM000051 00013 001130 INPUT-DUTPUT SECTION. CMDC0051 001140 FILE-CONTROL. CM000051 00014 GIL-IN ASSIGN '1001' UTILITY.
GIL-OUT ASSIGN '0001' UTILITY. 00015 001150 SELECT CMOOGOST 00016 001160 UTILITY. CM000051 00017 ****001160** SELECT MAS-IN ASSIGN 'MOOI' UTILITY. CM000051 CMC00051 00018 001170 OATA OIVISION. CM000051 00019 001180 FILE SECTION. 002190 FO GIL-IN RECORDING F SLOCK 1 RECORDS RECORO 747 CM0000051 00020 LABEL RECORDS STANDARD DATA RECORD IGIL. 00021 002200 CM000051 00022 002210 01 IGIL. CM000051 00023 002220 02 FILLER PICTURE X(10). CM000051 00024 002230 02 INSTR-NO PICTURE X(16). CM000051 00025 002240 FILLER PICTURE X(1041. 150000NJ 02 002250 CAL-DATE. 00026 CM000051 02 UAT CHO PICTURE 99. **002010 00027 CMODOOST PICTURE 99. 00028 002020 C4000051 00029 002030 03 CYR PICTURE 99. CM000051 CM009051 00030 002040 02 FILLER PICTURE X(611). 00031 002060 FD GIL-OUT RECORDING F BLOCK I RECORDS RECORD 747 CM000051 002070 LABEL RECORDS STANDARD DATA RECORD DGIL. CM000051 00032 00033 002080 01 DGIL. CM000051 02 FILLER 00034 002090 PICTURE XIIO). CM000051 00035 02 DINS-VO PICTURE X(16). CM000051 002100 02 FILLER PICTURE X(721). CM000051 00036 002110 MAS-IN RECORDING F BLOCK I RECORDS RECORD 747 002120 FD CMDCGG51 00037 LABEL RECORDS STANDARO DATA RECORD MAS. 00038 002130 CM000051 MAS. 00039 002140 01 CM000051 002150 00040 FILLER PICTURE X(10). CM000051 02 00041 MINSN PICTURE X(161. 002160 CM000051 00042 02 FILLER PICTURE X17213. 002170 CM000051 002190 WURKING-STURAGE SECTION. CH000051 00043 003010 PROCEOURE OIVISION. 00044 CM000051 00045 003020 OPEN INPUT MAS-IN GIL-IN OUTPUT GIL-OUT. CM000051 00046 003030 READ MAS-IN AT END GO TO MEDF. CM000051 00047 003040 CHOCOGST 00048 003050 READ GIL-IN AT END GO TO GEOF. CM000051 00049 CMOUDUST 003060 00050 003070 IF MINSN < INSTR-NO GO TO LO-MAS. CM000051 IF MINSN = INSTR-NO GO TO REPLACE-1. 00051 003080 CM0000051 MOVE IGIL TO OGIL. 00052 003090 CM000051 00053 003110 WRITE DGIL.

READ GIL-IN AT END GO TO GEOFL.

CM000051

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00055	003121 GD TO CK-INS.	
00056	. 003130 LO-MAS.	C MO00051
00057	003140 YOVE YAS TO DGIL	CMOCCO51
00058	003160 ARITE OGIL.	CM00C051
00059	003179 READ-MAS.	CM000051
00060	003180 READ MAS-IN AT END GO TO MEDF.	CMOCOD51
00061	003199GO TU CK-INS.	CM000051
00062	003200 REPLACE-1.	C400051
00063	003210 MOVE IGIL TO OGIL.	CM0C0051
00064	003230 WRITE DGIL.	CM000051
00065	003240 READ GIL-IN AT END GD TO GEOF.	CM000051
00066	CC3250 GO TU READ-MAS.	CM000051
00067	003260 GEOF1.	
88000	CO3270 WRITE OGIL FROM MAS.	
00069	004010 GEUF.	CMCG0051
00070	004020 READ MAS-IN AT END GO TO ASEND.	CMDGOC51
00071	004C30 WRITE OGIL FROM MAS.	CM000051
00072	CO4040 GO TO GEOF.	CM000051
00073	004050 MEGF.	CMCG0051
00074	004050 WRITE OGIL FROM IGIL.	CMOCOSSI
00075	004070 READ GIL-IN AT END GO TO ASEND.	CM0C0051
00076	004080 GO TO MEDF.	CM000051
00077	CO4C90 ASEND.	CM000051
00078	004100 CLOSE MAS-IN GIL-IN GIL-JUT.	
00079	004110 STOP RUN	CM000051

COICID IDENTIFICATION DIVISION. 00001 CM000095 00002 001020 PRDGRAM-10. 'CM000096'. CM000095 CO1030 AUTHOR. ROSE. CM000095 00003 001040 ENVIRONMENT DIVISION. 00004 CM000095 OC105C CONFIGURATION SECTION. CO106C SOURCE-COMPUTER. IBM-360 H50. CM000095 00005 CM000095 00006 CM000095 001070 OBJECT-COMPUTER. IBM-360 H50. 00007 00008 OCIDRO INPUT-OUTPUT SECTION. CM000095 00009 001090 FILE-CONTROL. CM000095 SELECT HOOK ASSIGN 'HOOK' UTILITY.
SELECT CFILE ASSIGN 'CFILE' UTILITY.
SELECT LIST ASSIGN 'LIST' UTILITY. 00010 001110 CH000095 CM000095 00011 001120 CM0000095 00012 001140 SELECT OCARD ASSIGN 'DCARD' UTILITY. 00013 001150 CM000095 00014 OCILTO DATA DIVISION. CM000095 CO1180 FILE SECTION. CM000095 00015 002150 FO LIST RECORDING F BLOCK 12 RECORDS RECORD 132 ... 00016 00017 002160 LABEL RECORDS OMITTED DATA RECORD LIT. CM000095 PICTURE X(132). 0001B 202170 01 CM000095 RECORD CONTAINS BO CHARACTERS 00019 03010 FD CFILE CM000095 LABEL RECURDS ARE STANDARD RECORDING MODE IS F 00020 003020 __ CM000095 00021 003030 CM000095 BLOCK CONTAINS 45 RECORDS 00022 003040 CM000095 OATA RECORD IS CFIL. 00023 003050 CM000095 CFIL. CM000095 00024 003060 01 02 C2 02 C3 00025 003070 PICTURE X(4). CM000095 00026 003090 PICTURE CM000095 00027 003090 PICTURE X(7). CM000095 0002B 003100 02 C4 PICTURE X(11). 00029 203110 02 C 5 PICTURE X(9). CM000095 00030 003120 02 Č6 PICTURE CM000095 X(9). 02 PICTURE C03130 C 7 CM000095 00031 X(7). 00032 003140 02 СЯ PICTURE X(4). CM000095 00033 003150 02 C9 PICTURE CM000095 00034 003150 02 CIO PICTURE X(9). CM000095 00035 PICTURE C03170 X(9). 02 C 1 1 PICTURE 0.0036 CO3180 02 CIIB CM0000095 XXX-00037 003190 02 C12 PICTURE X(6). CM000095 00038 004010 FD HDOK RECORDING F BLDCK 1 RECORDS RECORD 133 CM000095 00039 LABEL RECORDS STANDARD DATA RECORD HOK. 004020 CM000095 нок. 004030 01 00040 CM000095 00041 004040 02 FILLER PICTURE CM000095 PICTURE X(9). 00042 004050 HPAR C2 CM000095 004060 PICTURE FILLER X(58). 00043 02 CM000095 00044 00407C 02 HUDC PICTURE X(5). CM000095 FILLER 00045 004080 02 PICTURE X(25). CM000095 00046 004090 TUDDAH PICTURE 02 X(5). CM000095 KHRDOUT RECEFINES HRDOUT. 00047 004100 CM0000095 PICTURE X. 004110 00048 0.3 HR I EM000095 004120 00049 03 HR 2 PICTURE C4000095 00050 004130 03 HR 3 PICTURE X. CM000095 00051 004131 03 HHR3 REDEFINES HR3 PICTURE 9. 20052 004140 HR 45 PICTURE XX. _ .CM000095 00053 004141 RHR45 REDEFINES HR45 PICTURE 99. 03 CM000095 RRHRDOUT REDEFINES RHRDOUT. 00054 0.04150 CM000095

00055 204100 33 HR12 PICTURE XX. CM000095 00056 074181 03 R345 PICTURE XX. CM00095 00058 074181 03 R345 REDEFINES HR345 PICTURE 999. CM00095 00058 074181 03 HRDT1 PICTURE XX. CM00095 00060 074181 03 HRDT1 PICTURE YX. CM00095 00061 074181 03 HRDT2 PICTURE YX. CM00095 00062 074182 03 HRDT2 PICTURE YX. CM00095 00063 074181 03 HRDZ3 PICTURE YX. CM00095 00064 074180 03 HRDZ3 PICTURE XX. CM00095 00065 0760 074181 03 HRDZ3 PICTURE XXXX. CM00095 000664 07420 02 FILLER PICTURE XXXX. CM00095 000665 0760 076181				
00056	00055	304160	D3 HR12 PICTURE XX.	CM000095
0.0058	00056	004170		CM000095
00050	00057	004180	03 R345 REDFF INES HR345 PICTURE 999.	CM000095
00000	00058	004181	OZ HROT RECEFINES HRDDUT.	CM000095
00000	00059	004182	03 HRDT1 PICTURE X.	_CM000095
00062 004210 02	00060	004183		
ODG-100-05	00051	004184	O3 HRO45 PICTURE XX.	CM000095
00064 C04230 02 FILLER PICTURE X161. CM000095 00066 005060 DCAND RECORDING F BLOCK 1 RECORD CAR. CM000095 00066 005070 1 OCAR. CM000095 CM000095 CM000095 00064 005090 02 OR1 PICTURE X. CM000095 00070 005110 02 FILLER PICTURE X. CM000095 00071 005111 02 RRZ PICTURE X. CM000095 00072 005112 03 RDR1 PICTURE X. CM000095 00073 005112 03 RDR1 PICTURE X. CM000095 00074 005120 02 FILLER PICTURE X. CM000095 00075 005130 02 ROR3 PICTURE X. CM000095 00076 005131 02 ROR3 RECEFINES DR3. CM000095 00077 005132 03 OR3A PICTURE X. CM000095 00078 005133 03 DR3B PICTURE X. CM000095 00079 005140 02 FILLER PICTURE X. CM000095 00081 005157 02 DR4 PICTURE X. CM000095	00062	004210		CM000095
00064 C04230 02 FILLER PICTURE X161. CM000095 00066 005060 DCAND RECORDING F BLOCK 1 RECORD CAR. CM000095 00066 005070 1 OCAR. CM000095 CM000095 CM000095 00064 005090 02 OR1 PICTURE X. CM000095 00070 005110 02 FILLER PICTURE X. CM000095 00071 005111 02 RRZ PICTURE X. CM000095 00072 005112 03 RDR1 PICTURE X. CM000095 00073 005112 03 RDR1 PICTURE X. CM000095 00074 005120 02 FILLER PICTURE X. CM000095 00075 005130 02 ROR3 PICTURE X. CM000095 00076 005131 02 ROR3 RECEFINES DR3. CM000095 00077 005132 03 OR3A PICTURE X. CM000095 00078 005133 03 DR3B PICTURE X. CM000095 00079 005140 02 FILLER PICTURE X. CM000095 00081 005157 02 DR4 PICTURE X. CM000095	00063	00422C	02 HITEM PICTURE XXXX.	_CM000095
DODG	00064	004230		
OCCUPY O	00065	005060 FI		
00068 005090 02 PILTURE X191. CM000095 00070 005110 02 PILLER PICTURE Xx. CM000095 00071 005111 02 RDR PICTURE Xx. CM000095 00072 005112 03 RDR1 PICTURE X. CM000095 00073 005113 03 RDR2 PICTURE X. CM000095 00074 005120 02 FILLER PICTURE X. CM000095 00075 005130 02 093 PICTURE XX. CM000095 00076 005131 02 ROR3 REGEFINES DR3. CM000095 00077 005132 03 03 DR3A PICTURE X. CM000095 00078 005133 03 DR3A PICTURE X. CM000095 00080 005150 02 DR4 PICTURE X. CM000095 00081 055151 02 RDR4 REDEFINES DR4. CM000095 00081 055152 03 DR4A PICTURE X. CM000095 00083 05152 03 DR4A PICTURE X. CM000095<	00066	005070	LABEL RECORDS STANOARD DATA RECORD DCAR.	CM000095
00068 005090 02 PILTURE X191. CM000095 00070 005110 02 PILLER PICTURE Xx. CM000095 00071 005111 02 RDR PICTURE Xx. CM000095 00072 005112 03 RDR1 PICTURE X. CM000095 00073 005113 03 RDR2 PICTURE X. CM000095 00074 005120 02 FILLER PICTURE X. CM000095 00075 005130 02 093 PICTURE XX. CM000095 00076 005131 02 ROR3 REGEFINES DR3. CM000095 00077 005132 03 03 DR3A PICTURE X. CM000095 00078 005133 03 DR3A PICTURE X. CM000095 00080 005150 02 DR4 PICTURE X. CM000095 00081 055151 02 RDR4 REDEFINES DR4. CM000095 00081 055152 03 DR4A PICTURE X. CM000095 00083 05152 03 DR4A PICTURE X. CM000095<	00067	005090 0	1 9CAR •	_CM000095_
DOOT	00068			CM000095
DOOT	00069	005100	02 FILLER PICTURE X.	CM000095
DOO72	00070	005110		
DOO72	00071	005111	C2 RDR REOEFINES DR2.	_CM000095
DOD	00072	005112		
DOT			O3 RDR2 PICTURE X.	CM000095
00075 005130 02 ROR3 REGEFINES DR3. CM000095 00076 005131 02 ROR3 REGEFINES DR3. CM000095 00078 005132 03 0R3A PICTURE X. CM000095 00079 005143 03 DR3B PICTURE X. CM000095 00080 005150 02 DR4 PICTURE X. CM000095 00081 C05151 02 RDR4 REDEFINES DR4. CM000095 00082 005152 03 DR4A PICTURE X. CM000095 00083 005153 03 DR4A PICTURE X. CM000095 00084 005160 02 FILLER PICTURE X. CM000095 00085 005170 02 DR5 PICTURE X. CM000095 00086 005171 02 RDR5 REGEFINES OR5. CM000095 00088 005173 03 DR5A PICTURE X. CM000095 00089 005170 02 RDR5 REGEFINES OR5. CM000095 00090 005173 03 DR5A PICTURE X. C	00074			CM000095
00076 005131 02 ROR3 RECEFINES DR3. CM000095 00077 005132 03 03 DR3A PICTURE X. CM000095 00079 005140 02 FILLER PICTURE X. CM000095 00080 005150 02 DR4 PICTURE X. CM000095 00081 CC5151 02 DR4 PICTURE X. CM000095 00082 005152 03 DR4A PICTURE X. CM000095 00083 005153 03 DR4B PICTURE X. CM000095 00084 005160 02 FILLER PICTURE X. CM000095 00086 005171 02 DR5 PICTURE X. CM000095 00088 005170 02 DR5 PICTURE X. CM000095 00088 005173 03 DR58 PICTURE X. CM000095 00099 005180 02 FILLER PICTURE X. CM000095 00099 005190 02 R07 PICTURE X. CM000095 <td>00075</td> <td>005130</td> <td>AA AAB DIATURE WA</td> <td>CM000095</td>	00075	005130	AA AAB DIATURE WA	CM000095
00078 005133 03 DR3B PICTURE X. CM000095 00079 005140 02 FILLER PICTURE X. CM000095 00080 005150 02 DR4 PICTURE X. CM000095 00081 CC5151 02 RDR4 REDEFINES DR4. CM000095 00082 005152 03 DR4A PICTURE X. CM000095 00084 05160 02 FILLER PICTURE X. CM000095 00085 005170 02 DR5 PICTURE X. CM000095 00086 005171 02 RDR5 REDEFINES ORS. CM000095 00087 005173 03 DR5A PICTURE X. CM000095 00088 005173 03 DR5A PICTURE X. CM000095 00089 005180 02 FILLER PICTURE X. CM000095 00090 005190 02 ROR7 REDEFINES ORT. CM000095 00091 005191 02 ROR7 REDEFINES ORT. CM000095 00092 005192 03 RDR7A PICTURE X. CM000095 00093 005193 03 ROR7A PICTURE X. CM000095 00094 005194 02 RROR7 REDEFINES ORT.	00076	005131		CM000095
DOUBT	00077	005132	03 OR3A PICTURE X.	CM000095
00880 005150 02 DR4 PICTURE XX. CM000095 00881 CC5151 02 ROR4 REDEFINES DR4. CM000095 00882 005152 03 DR48 PICTURE X. CM000095 00843 005153 03 DR48 PICTURE X. CM000095 00845 005170 C2 DR5 PICTURE X. CM000095 00846 005171 02 RDR5 REDEFINES OR5. CM000095 CM000095 00848 005173 03 DR5A PICTURE X. CM000095 00849 005180 02 FILLER PICTURE X. CM000095 00090 005190 02 PICTURE X. CM000095 00091 005191 02 RR7 PICTURE X. CM000095 00092 005192 03 RDR7A PICTURE X. CM000095 00093 005194 02 RRDR7 REDEFINES OR7. CM000095	00078	005133	O3 DR3B PICTURE X.	CM000095
00081 005151 02 RDR4 REDEFINES DR4. CM000095 CM00082 005152 03 DR48 PICTURE X. CM000095	00079	005140	02 FILLER PICTURE X.	CM000095
00082 005152 03 DR4A PICTURE X. CM000095 00083 005153 03 DR4B PICTURE X. CM000095 00084 205160 02 FILLER PICTURE XX. CM000095 00085 005170 02 DR5 PICTURE XX. CM000095 00086 005171 02 RDR5 REOEFINES ORS. CM000095 00087 005172 03 DR5A PICTURE X. CM000095 00088 005173 03 DR5A PICTURE X. CM000095 00099 005180 02 FILLER PICTURE X. CM000095 00091 005191 02 ROR7 REDEFINES ORT. CM000095 00092 005192 03 RDR7A PICTURE X. CM000095 00093 005193 03 RDR7A PICTURE X. CM000095 00094 005194 02 RRDR7 REOEFINES ORT. CM000095 00095 005195 03 RR7A PICTURE X. CM000095 00096 005196 03 RR7A PICTURE X. CM000095 00097 005197 03 RR7A PICTURE X. CM000095 00098 005200 02 FILLER PICTURE X. <t< td=""><td>00080</td><td>005150</td><td>02 DR4 PICTURE XX.</td><td>CM000095</td></t<>	00080	005150	02 DR4 PICTURE XX.	CM000095
DOC	00081	005151	02 RDR4 REDEFINES DR4.	.CM000095
00084 205160 02 FILLER PICTURE X. CM000095 00085 005170 C2 DR5 PICTURE XX. CM000095 00087 005171 02 RDR5 REDEFINES OR5. CM000095 00087 005172 03 DR58 PICTURE X. CM000095 00088 005173 03 DR58 PICTURE X. CM000095 00099 005190 02 RT PICTURE XX. CM000095 00091 005191 02 RORT REDEFINES ORT. CM000095 00092 005193 03 RDR7A PICTURE X. CM000095 00094 005193 03 RDR7A PICTURE X. CM000095 00094 005194 02 RRDR7 REDEFINES ORT. CM000095 00095 005196 03 RR7A PICTURE X. CM000095 00096 005197 03 RR7A PICTURE X. CM000095 00097 005196 03 RR7A PICTURE X. CM000095 00098 005200 02 FILLER PICTURE XX. CM000095 00109 005210 02 OR8 PICTURE XXX. CM000095 00100 05211 02 RORB REDEFINES OR8. <	00082	005152	O3 DR4A PICTURE X.	CM000095
00085 005170 C2 DR5 PICTURE XX. CM000095 00086 005171 O2 RDR5 REDEFINES ORS. CM000095 00087 005172 O3 DR5A PICTURE X. CM000095 00088 005173 O3 DR5B PICTURE X. CM000095 00089 005180 O2 FILLER PICTURE X. CM000095 00091 005190 O2 DR7 PICTURE XXX. CM000095 00091 005191 O2 ROR7 REDEFINES ORT. CM000095 00092 005192 O3 RDR7A PICTURE X. CM000095 00093 005193 O3 RDR7A PICTURE X. CM000095 00094 025194 O2 RRDR7 REDEFINES ORT. CM000095 00095 005196 O3 RR7A PICTURE X. CM000095 00097 005197 O3 RR7A PICTURE X. CM000095 00099 005200 O2 FILLER PICT	00083	005153	03 DR4B PICTURE X.	CM000095
DOUBS	00084	205160	02 FILLER PICTURE X.	CM000095
00087 005172 03 DR5A PICTURE X. CM000095 00088 005173 03 DR5B PICTURE X. CM000095 00090 005180 02 FILLER PICTURE X. CM000095 00091 005190 02 OR7 PICTURE XXX. CM000095 00091 005191 02 ROR7 REDEFINES OR7. CM000095 00092 005192 03 RDR7B PICTURE X. CM000095 00093 005193 03 ROR7B PICTURE 99. CM000095 00094 005194 02 RRORT REDEFINES ORT. CM000095 00095 005195 03 RR7A PICTURE X. CM000095 00096 005196 03 RR7B PICTURE X. CM000095 00097 005197 03 RR7C PICTURE X. CM000095 00099 005200 02 FILLER PICTURE X. CM000095 00100 03521 02 RORB REDEFINES ORB. CM000095 00101 005212 03 RORBA PICTURE XX. CM000095 00102 005213 03 RORBA PICTURE XX. CM000095 00103 00520	00085	005170	C2 DR5 PICTURE XX.	CM000095
00088 005173 03 DR58 PICTURE X. CM000095 00089 005180 02 FILLER PICTURE X. CM000095 00090 005190 02 OR7 PICTURE XXX. CM000095 00091 005191 02 ROR7 REDEFINES OR7. CM000095 00092 005192 03 RDR7A PICTURE X. CM000095 00093 005193 03 ROR7B PICTURE X. CM000095 00094 C05194 02 RRDR7 REOEFINES OR7. CM000095 00095 005195 03 RR7A PICTURE X. CM000095 00097 005197 03 RR7B PICTURE X. CM000095 00099 005200 02 FILLER PICTURE X. CM000095 00100 005210 02 ORB PICTURE XX. CM000095 00101 005211 02 RORB REDEFINES ORB. CM000095 00102 005213 03 RORBB PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XX. CM000095 00104 005230 02 FILLER PICTURE XX. CM000095 00105 023000 02 FILLER PICTURE XX.	00086	005171	02 RDR5 REOEFINES OR5.	CM000095
00088 005173 03 DR58 PICTURE X. CM000095 00089 005180 02 FILLER PICTURE X. CM000095 00091 005190 02 OR7 PICTURE XX. CM000095 00091 005191 02 ROR7 REDEFINES OR7. CM000095 00092 005192 03 RDR7A PICTURE X. CM000095 00093 005193 03 RDR7B PICTURE 99. CM000095 00094 C05194 02 RRDR7 REOEFINES OR7. CM000095 00095 005195 03 RR7A PICTURE X. CM000095 00097 005197 03 RR7G PICTURE X. CM000095 00098 005200 02 FILLER PICTURE X. CM000095 00100 005210 02 OR8 PICTURE XX. CM000095 00101 005211 02 ROR8 REDEFINES OR8. CM000095 00102 005213 03 ROR8A PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XX. CM000095 00104 005233 03 ROR8A PICTURE XX. CM000095 00105 023010 MORKING-STORAGE SECTIDN.	00087	005172	O3 DR5A PICTURE X.	CM0 00095
00090 005190 02 0R7 PICTURE XXX. CM000095 00091 005191 02 ROR7 REDEFINES OR7. CM000095 00092 005192 03 RDR7A PICTURE X. CM000095 00093 005193 03 RDR7B PICTURE 99. CM000095 00094 005194 02 RRDR7 REDEFINES OR7. CM000095 00095 005195 03 RR7A PICTURE X. CM000095 00096 005196 03 RR7B PICTURE X. CM000095 00097 005197 03 RR7C PICTURE X. CM000095 00098 005200 02 FILLER PICTURE XX. CM000095 00100 005211 02 OR8 PICTURE XXX. CM000095 00101 005212 03 ROR8A PICTURE XX. CM000095 00102 005213 03 ROR8B PICTURE XX. CM000095 00104 005230 02 FILLER PICTURE XX. CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 023010 HORKING-STORAGE SECTION. CM000095 00106 023020 77 J PICTURE 999. CM000095	00088			CM000095
00091 005191 02 RORT REDEFINES ORT. CM000095 00092 005192 03 RDRTA PICTURE X. CM000095 00093 005193 03 RDRTA PICTURE 99. CM000095 00094 025194 02 RRDRT REDEFINES ORT. CM000095 00095 005195 03 RRTA PICTURE X. CM000095 00096 005196 03 RRTB PICTURE X. CM000095 00097 005197 03 RRTC PICTURE X. CM000095 00098 005200 02 FILLER PICTURE XX. CM000095 00100 005211 02 ROR8 PICTURE XX. CM000095 00101 005212 03 ROR8A PICTURE XX. CM000095 00102 005213 03 ROR8B PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XX. CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 023010 NORKING-STORAGE SECTION. CM000095<	00089	005180	02 F1LLER PICTURE X.	CM000095
00092 005192 03 RDR7A PICTURE X. CM000095 00093 005193 03 RDR7B PICTURE 99. CM000095 00094 005194 02 RRRDR7 REOEFINES OR7. CM000095 00095 005195 03 RR7A PICTURE X. CM000095 00096 005196 03 RR7B PICTURE X. CM000095 00097 005197 03 RR7C PICTURE X. CM000095 00098 005200 02 FILLER PICTURE XX. CM000095 00100 005211 02 RORB REDEFINES OR8. CM000095 00101 005212 03 ROR8A PICTURE XX. CM000095 00102 005213 03 ROR8B PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XX. CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 023010 MORKING-STORAGE SECTION. CM000095 00106 023020 77 J PICTURE 999. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095	00090	005190	02 OR7 PICTURE XXX	CM000095
00093 005193 03 RDR78 PICTURE 99. CM000095	00091	005191	OZ ROR7 REDEFINES OR7.	CM000095
CM000095	00092	005192	03 RDR7A PICTURE X.	CM000095
CM000095	00093	005193	03 RDR78 PICTURE 99.	CM000095
00096 005196 03 RR7B PICTURE X. CM000095 00097 005197 03 RR7C PICTURE X. CM000095 00098 005200 02 FILLER PICTURE X. CM000095 00099 005210 02 OR8 PICTURE XXX. CM000095 00100 005211 02 RORB REDEFINES OR8. CM000095 00101 005212 03 RORBA PICTURE X. CM000095 00102 005213 03 RORBA PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XIIO). CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 C23010 NORKING-STORAGE SECTION. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SN1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095	00094	C05194	OZ RRDR7 RECEFINES OR7.	
00097	00095	005195	O3 RR7A PICTURE X.	CM000095
00098 005200 02 FILLER PICTURE X. CM000095 00099 0C5210 02 0R8 PICTURE XXX. CM000095 00100 005211 02 RORB REDEFINES ORB. CM000095 00101 005212 03 RORBA PICTURE X. CM000095 00102 005213 03 RORBB PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XI.01. CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 C23010 MORKING-STORAGE SECTIDN. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SW1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095	00096	005196	03 RR7B PICTURE X.	CM000095
00099 0C5210 02 0R8 PICTURE XXX. CM000095 00100 005211 02 RORB REDEFINES ORB. CM000095 00101 005212 03 RORBA PICTURE X. CM000095 00102 005213 03 RORBB PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XXI. CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 023010 NORKING-STORAGE SECTION. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SW1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095	00097	_005 <u>19</u> 7	03 RR7C PICTURE X.	_CM000095_
00100 005211 02 RORB REDEFINES ORB. CM000095 00101 005212 03 RORBA PICTURE X. CM000095 00102 005213 03 RORBB PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XIIOI. CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 023010 NORKING-STORAGE SECTION. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SN1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095		005200	OZ FILLER PICTURE X.	CM000095
00101 005212 03 RORBA PICTURE X. CM000095 00102 005213 03 RORBA PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XI10J. CM000095 00104 055230 02 DR6 PICTURE XX. CM000095 00105 C23010 WORKING-STORAGE SECTIDN. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SH1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095	00099	005210	OZ OR8 PICTURE XXX	CM000095
00102 005213 03 RDR8B PICTURE XX. CM000095 00103 005220 02 FILLER PICTURE XIIO). CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 023010 NORKING-STORAGE SECTION. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SW1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095		005211	OZ RORB REDEFINES ORB.	CM000095
00103 005220 02 FILLER PICTURE XI101. CM000095 00104 005230 02 DR6 PICTURE XX. CM000095 00105 C23010 MORKING-STORAGE SECTION. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SW1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095	00101	005212	O3 RORBA PICTURE X.	CM000095
00104 005230 02 DR6 PICTURE XX. CM000095 00105 023010 NORKING-STORAGE SECTIDN. CM000095 00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SN1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095	00102	005213	03 RDR8B PICTURE XX.	CM000095
00105	00103	_005220	OZ FILLER PICTURE XIIO).	CM000095
00106 023020 77 J PICTURE 999. CM000095 00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SH1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095		005230	OZ DR6 PICTURE XX.	CM000095
00107 023030 77 K PICTURE 999. CM000095 00108 023040 77 SW1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095		023010 W		_CM00.0095
00108 023040 77 SH1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095				CM000095
00108 023040 77 SH1 PICTURE 9 VALUE 0. CM000095 00109 023050 77 MSW1 PICTURE 9 VALUE 0. CM000095 00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095	00107	023030 7	7 K PICTURE _ 999•	CM000095
00110 02306C 77 MSW2 PICTURE 9 VALUE 0. CM000095		023040 7	7 SW1 . PICTURE 9 VALUE 0.	CM000095
0,100007		023050 7		_CM000095
00111 023070 77 MSH3 PICTURE 9 VALUE 0. , CM000095				CM000095
	00111	023070 7	7 MSW3 PICTURE 9 VALUE 0.	CM000095

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00112	023080 77	_NEG-SW . PICTURE 9 _ VALUE .0	CM000095
00113	023090 77	II OTCATIOE . OOD ANTHE O	CMOODOOS
00114	023100 77	JECI PICTURE 99 VALUE 50.	CM000095
00115	023110 77	NY DICTURE COO MALUE O	CHOOOOS
	**011010 01		CM000095
00117	011020	O2 SVTABL DCCURS 60.	CM000095
00118	01 10 50	03 SV3 > PICTURE X(9) OCCURS 12	CM000095
00119	011080 01	DOTABLE	CM000095
00120	011090	02 OIDDLE OCCURS 7.	
00121	011100	' 03 DO1 FICTURE X DCCURS 64.	
_00122.	011110	03DD2 PICTURE XX OCCURS64	CM000095
00123	011120		
00124	011130	03 OD4 PICTURE XXX OCCURS 64.	C4000095
00125	011140	03 OD5 PICTURE XX OCCURS 64.	CM000095
00126	011150	03 OD5 PICTURE XX OCCURS 64. 03 OQ6 PICTURE X(9) OCCURS 64.	CM000095
00127	011160	03 DO7 PICTURE XX OCCURS 64.	CM000095
00128	011170	03 008 PICTURE X(9) DCCURS 64.	CM000095
00129	011180	03 0D9 PICTURE XX DCCURS 64. 03 0D10 PICTURE X(9) DCCURS 64.	CM000095
00130	011190	03 0010 PICTURE X(9) OCCURS 64.	CM000095
00131	011200		
00132			
00133	011202	02 OAOOLE DCCURS 7.	
00134	011210	03_ OD12 PICTURE .X(9)_ OCCURS64.	CM000095
00135	011220	AN ADIA DICTURE VY DECURE 44	CHOOOOS
00136_	011230	03 DD14PICTURE X(9) DCCURS, 64.	CM000095
00137	01 1240		
00138	011250	03 DD15 PICTURE X(10) DCCURS 64. 03 DD16 PICTURE X(14) DCCURS 64.	CM000095
00139	011260	03 OOSN PICTURE X DCCURS 64.	CM000095
00140	019010 01	03 OOSN PICTURE X DCCURS 64.	CM000095_
00141	019020	02 FILLER PICTURE X14) VALUE SPACE. 02 LDD1 PICTURE 9.	CM000095
.00142	019030	OZ_LDD1PICTURE_9.	CM000095
00143	019040	AS CTITED BICTIDE VVV VALUE CRACE	CHAAAAA
00144	019050	OZ_LDD2 PICTURE 99	CM000095_
00145	019060	OP FILLER PICTURE XX VALUE SPACE.	CMOOOOS
0014.6	019070	_02_L003PICTURE_X(9)	CM0000.95_
00147	01 90 80	OZ FILLER PICTURE XX VALUE SPACE.	CM000095
.00148	019090	02 FILLER PICTURE XX VALUE SPACE02 LOD4 PICTURE XXX	CM000095_
00149	019100	OZ FILLER PICTURE XX VALUE SPACE.	CH000095
0.015.0_	019110	02 FILLER PICTURE XX VALUE SPACE. 02 LD05 PICTURE XX.	CMQ00095_
00151	019120	02 FILLERI PICTURE XX VALUE SPACE.	CMOOOOGS
.00152	019130	_02LDD6PICTUREX(9)	CM000095
00153	019140	02 FILLER PICTURE- XX VALUE SPACE.	CM000095
00154	01.9150	_02_ LDD7PICTURE _XX+	
00155	019160	02 FILLER2 PICTURE XX VALUE SPACE.	CM000095
00156	019170	02 LDD8 PICTURE X(9).	
00157	019180	02 FILLER PICTURE XX VALUE SPACE.	CM000095
00159	<u>019190</u> ,	O2_LDD9PICTURE_XX+	
00159	019200	O2 FILLER3 PICTURE XX VALUE SPACE.	CM000095
.0016.0	019210	02 _LDD10PICTUREX(9).	
00161	019220	02 FILLER PICTURE XX VALUE SPACE.	CM000095
00162	019230	02 LDD11 PICTURE XX.	
00163	019240	02 FILLER4 PICTURE XX VALUE SPACE.	CM000095
00164_	019250	02 LD012 PICTURE X(9).	
00165	020010	02 FILLER PICTURE XX VALUE SPACE.	CM000095
_00166		OZ LDD13 PICTURE XX.	
00167	020030	02 FILLERS PICTURE XX VALUE SPACE.	CM000095
00168,	Q2,QD4D	02 . LDD.14 _ PICTURE _X(9)	

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020050
                      02 FILLER PICTURE XX
02 LOD15 PICTURE X(10).
02 FILLER PICTURE XX
00169
                                                      VALUE SPACE.
                                                                                           CM000095
        020060
                                                                                            CM000095
00170
00171 020070
                                                     VALUE SPACE .
         020080
                      02 LDD16 PICTURE X(14
02 FILLER PICTURE XXX
00172
                                              X(14).
                                                                                            CM000095
00173__
         0.20090
                                                     VALUE SPACE.
                                                                        _____CM000095
00174
              01
                      SVTOP3
00175
                 02 FILLER PICTURE X VALUE SPACE.
                      O2 FILLER PICTURE X VALUE SPACE.

O2 FILLER PICTURE X(25) VALUE 'NO RANGE PORT O1 PORT O1.

O2 FILLER PICTURE X(25) VALUE '2 PORT O3 PORT O4.

O2 FILLER PICTURE X(25) VALUE 'ORT O5 PORT O6.
00176
00177
00178
                      00179 . _ . . . . .
00180
              - 01
00181
00182
                      SVIDE1.
                      02 FILLER PICTURE X(36) VALUE SPACE.
02 FILLER PICTURE X(25) VALUE SCANNER VALVE ASSIGNMENTS.
00183__
              ____02 FILLER
00184
                      02 FILLER PICTURE X(33) VALUE SPACE.
02 FILLER PICTURE X(11) VALUE SPACE.
02 FILLER PICTURE X(27) VALUE SPACE.
00185
00186
00187
          01 SVTOP2.
00188
00189 02 FILLER PICTURE X VALUE SPACE.
CO190 C2 FILLER PICTURE X(12) VALUE 'SV OUCER '.
00191
                      02 FILLER PICTURE X(119) VALUE SPACE. ....
          . ... ..
00192
                      SVLINE.
                      02 FILLER PICTURE X VALUE SPACE.
00193
                                   PICTURE 99.
PICTURE X(17) VALUE
00194
                      O2 SVND
                                                                 00195. _____02 _FILLER
                      02 PORT2
                                   PICTURE X(10).
00196
00197
                          PORT3 PICTURE X(10).
PORT4 PICTURE X(10).
                      G2
00198
                      02
                                   PICTURE X(10).
                                   PICTURE X(10).
PICTURE X(10).
00199
                      02
                          PORT5
                          PORT6
00200
                      02
                          PORT7 PICTURE X(10).
PORT8 PICTURE X(10).
            00201
00202
                      02
00293 _____
                      02
                          PORT9
                                   PICTURE X(10).
                                   PICTURE X(10).
00204
                      02
                         PORTIO
                      02 PORTII
00205
                                   PICTURE X(10).
                      02 PORT12
02 FILLER
                                   PICTURE X(10).
20206
                                   PICTURE XX VALUE SPACE.
00207
00208
         022080 01
                      HEADMCDO.
                                                                                          CM000095
                      O2 MCDD P1CTURE X(12) VALUE ' SCAN '. CM000095
O2 F1LLER P1CTURE X(113) VALUE 'PARAMETER UNIT CODE LDADCM000095
         022090
00209
00210
         022100
                          CDDE
                                            CDOE
                                                    LDAD. CODE . LOAD. CODE . LOADCHOO 0095
00211
         022110-
                                   LDAO
                            REFERENCE
00212
         C22120-
                                              REMARKS'.
                                                                                           CM000095
00213
         022130
                      02 FILLER PICTURE X(7)
                                                      VALUE SPACE.
                                                                                           CM0000095
00214
         023010 01
                      DOAS-HO.
                                   PICTURE X(48) VALUE SPACE.
PICTURE X(31) VALUE *DIGITAL DATA ACQUISITION S
                      02 FILLER PICTURE X(48
02 FILLER PICTURE X(31)
00215
         023020
30216
         023330
00217
                      'YSTEM'.
         023040-
                      02 FILLER
02 FILLER
02 FILLER
                                                      VALUE SPACE.
VALUE 'SHEET
00218
         023050
                                   PICTURE X(32)
                                                                         QF R'.
00219
         023060
                                   PICTURE
                                             X(14)
00220
          023070
                                   PICTURE X(7)
                                                       VALUE SPACE.
00221
         023180 01
                      MC-HD.
                                   PICTURE X(53) VALUE SPACE.
PICTURE X(32) VALUE *MICROSAO(C DATA REDUCT(ON
                      02 FILLER
00222
         023190
                      02 F1XR
         023200
00223
00224
         923210-
                      02 FILLER PICTURE X(26) VALUE SPACE.
00225
         023220
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00226 023230 02 FILLER PICTURE X114) VALUE SHEET OF R'.
00227 023240 02 FILLER PICTURE X(7) VALUE SPACE.
         C24010 01 . DUM-HEAD.
0022B
                                  PICTURE X1321 VALUE 'SCANNER VALVE DATA REDUCTI
         024020
00229
                     02 SCF
                                                                        CN000095
00230
         024030-
                     * ON
00231
         030010 PROCEOURE OIVISION.
00232
         030021
                     OPEN DUTPUT LIST.
                     OPEN INPUT HODK.
                                                                                           CM000095
00233
         030100
        030110___
                     DPEN INPUT OCARO.
00234
                                                                                           CM000095
00235
         030130
                     PERFORM SPACE-TB.
                                                                                         __ CM000095_
        .031010 RD-HK.
00236
                     READ HOOK AT ENG GO TO HK-ENG. CM000095

IF HR1 = "S" AND HR2 = "0" OR "1" OR "2" OR "3" DR "4" OR . CM000095

"5" OR "6" OR "7" OR "8" OR "9" GO TO SV-ROUTE. CM000095
00237
         031020
00238_ 031070 .
         031080
00239
                     IF HR12 = "00" GD TO MN6.
         031090...
                                                                                           _CM000095._
00240
00241
         C3111C
                     GD TO RO-HK.
                                                                                           CM000095
00242
         032200 MN6.
                                                                                           CM000095 .
                     ADD 1 RHR45 GIVING K.
00243
                     IF HHR3 NOT = 0
00244
                     MOVE HPAR TO 003 [HHR3.K].
00245
00246
         032201
                     CLOSE OCARD.
00247
         032210
                     OPEN INPUT DCARD.
                                                                                           CM000095
00248
         032220 MN6A.
                                                                                          _CM000095
                     READ OCARD AT END GO TO MNIZ.
IF DRI NOT = HPAR GO TO MN6A.
IF DR7 = ' GO TO MNIZ.
00249
         032230
                                                                                           CM000095
                                                                                         ... CN000095
00250
         032240
         03225C
                                                                                           CM000095
00251
00252
         033020
                     GO TO OD-ROUTE.
                                                                                            CM0000095
00253
         G33110 MN1Z.
                                                                                            CM000095
00254 _ 03312C
                     DISPLAY 'OATA RED. N/A '.
00255
         C33140
                     GO TO RO-HK.
                                                                                           CM000095
00256
         049010 SV-ROUTE.
                                                                                         .. CM000095
         049020
                     IF HRD23 > 60 DISPLAY "4902" HRODUT GO TO RO-HK.
00257
                                                                                           CM000095
                     MOVE HRO23 TO J.
IF RHR45 > 12 DISPLAY '4904' HRODUT GO TO RO-HK.
                                                                                            CM000095 .
00258
         049030
00259
         049046
                                                                                            CM000095
                      MOVE RHR45 TO K.
00260
                      MOVE HPAR TO SV3 (J. K)
         049050
                                                                                           CM000095
20261
                     GO TO RO-HK.
00262
         049060
                                                                                           CM000095
00263
         050010 DD-ROUTE.
                                                                                           CM000095
         050011
00264
                     IF HHR3 = 0 G0 T0 R0-HK.
                     IF HHR3 < B MOVE HHR3 TO J
ELSE DISPLAY *5003* HROOUT GO TO RD-HK.
00265
         050020
00266
         050030
                                                                                           CH000095
                     IF RHR45 > 63 OISPLAY "5004" HRODUT GO TO RD-HK.
00267
         050040
                     ADO 1 RHR45 GIVING K.
IF RP78 = '0' OR '1' OR '2' OR '3' OR '4' OR '5' OR '6'
         050050
00268
00269
         050070
                                                                                           CM000095
                         OR "7" OR "8" OR "9" GO TO DDR1.
00270
         050080
                                                                                           CM0000095
00271
         050090
                     GO TO DDR3.
                                                                                           CM000095
00272
         G50100 DOR1.
                                                                                           CM000095
                         RRTC = '0' OR '1' OR '2' OR '3' OR '4' OR '5' OR '6' OR '7' OR '8' OR '9' GO TO ODR2.
         050110
00273
                                                                                           CMODODOS
00274
         050120
                                                                                           CM000095
00275
         C50130 DDK3.
00276
         050140
                     IF OR7 = 'IPC' MOVE 'IN PLACE CALS' TO 0016 (J, K)
         050150
00277
                         GO TO DDR9.
                      IF DR7 = "SPC" MOVE "SPECIAL CALS" TO DO16 (J. K)
00278
         057140
                                                                                           CM0000095
                          GU TO DDR9.
00279
         95017C
                                                                                           CM000095
00280
         050130
                     IF RR78 = 'R' AND RR7C = 'N' GG TO DOR4.
                                                                                           CM000095
                     DISPLAY "5019" DR7 GO TO RO-HK.
00281
         050190
                                                                                           CM000095
         C5020C 00R4.
00282
                                                                                           CM000095
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CM000095
         050210
                     OPEN INPUT CFILE.
00283
20284
         050220 DOR5.
                                                                                            CMOODOGS
00285
         050230
                     READ CFILE AT END GO TO ODCENO.
                                                                                            CM000095
                      IF C9 NOT = "O" GO TO DOR5.
00236
         050240
                      IF HPAR NOT = C5 GD TO DDR5.
00287
         050250
                                                                                            CH000095
                          RR7A = ++
         051010
                                                                                            CM000095
00288
                      16
                          MOVE '26' TO 005 (J, K)
MOVE '27' TO DD7 (J, K)
MOVE '28' TO 009 (J, K)
                                                                                       _ ._ . CM000095
00289
         051020
00290
         051030
                                                                                            CM000095
16200
         051040
                                                                                            CM000095
                          MOVE '29' TO 0011 (J, K)
MOVE '30' TO DD13 (J, K)
         051050
                                                                                            CM000095
00292
00293
         051060
                                                                                            CM000095
                          GU TO OOR6.
                                                                                            CM000095
00294
         C51070
                                                                                           __CM000095
00295
         051080
                          MDVE '26' TO 005 (J, K)
MOVE '25' TO DO7 (J, K)
MOVE '24' TO 009 (J, K)
00296
         051090
                                                                                            CM000095
                                                                                          _. CM000095
00297
         051100
00298
         051110
                          MOVE '23' TO 0011 (J. K)
MOVE '22' TO DD13 (J. K)
         05112C
                                                                                            CM000095
00299
00300
         051130
                                                                                            CM000095
00301
         05114C
                          MOVE 1 TO NEG-SW
                                                                                            CM000095
00302
         D5115C
                          GU TO OOR6.
                                                                                            CM000095
00303
                      DISPLAY '5116' ORT GO TO ODCEND.
         051160
                                                                                            CM000095
003C4
         051170 DOR6.
                                                                                            CM000095
                      IF C10 = SPACE GO TO OOR7.
                                                                                            CM000095
00305
         051180
                     MOVE CLO TO DOG (J, K)
READ CFILE AT END GD TO ODCENO.
                                                                                            CM000095
00336
         051190
00307
         051200
                                                                                            CM000095
00308
         051210
                      MOVE C10 TO 908 (J, K)
                                                                                            CM000095
00309
         051220
                      READ CFILE AT END GO TO DDCEND.
                                                                                            CM000095
00310
         051230
                      MOVE C10 TD DD10 (J. K)
                                                                                            CM000095
                      READ CFILE AT END GO TO ODCEND. MOVE C10 TO DD12 (J, K)
         05124C
                                                                                            CM000095
00311
00312
         051250
                                                                                            CM000095
00313
         052010
                      READ CFILE AT ENO GO TO OCCEND.
                                                                                            CM000095
00314
         052020
                      MOVE C10 TO 0014 (J. K)
                                                                                            CM000095
00315
         052030
                      GO TO ODR8.
                                                                                            CM000095
00316
         052040 ODR7.
                                                                                            CN000095
00317
         052050
                      IF C11 = SPACE DISPLAY '5205' C7 GO TO DDCENO.
                                                                                            CM000095
                      MOVE C11 TO DD6 (J. K).
00318
         052060
                                                                                            CM000095
00319
         052070
                      READ CFILE AT ENO GO TO DOCENO.
                                                                                            CM000095
                      MOVE CI1 TO 008 (J. K).
00320
         052080
                                                                                            CM000095
                      READ CFILE AT END GO TO DOCENO.
MOVE C11 TD 0010 (J. K).
00321
                                                                                            CM000095
         052040
00322
                                                                                            CM000095
         052100
                      READ CFILE AT END GO TO OCCENO.
00323
         052110
                                                                                            CM000095
00324
         052120
                      MOVE CII TO DOIZ (J, K).
                                                                                            CM000095
00325
                      READ CFILE AT ENO GO TO DOCEND.
         C52130
                                                                                            CM000095
         052140
                      MOVE C11 TO 0014 (J, K).
00326
                                                                                            CM000095
         052150 QOR8.
                                                                                            CM000095
00327
                      MOVE CIIB TO DD4 (J. K).
                                                                                            CM000095
00328
         052160
                      CLOSE CFILE.
00329
         053110
                                                                                            CM000095
00330 **052170 OOR9.
                                                                                            CM000095
                   . IF NEG-SW = 1 MOVE 0 TO NEG-SW
                                                                                         _ _ CM000095
20331
         0521BC
                     00332
         052190
00333
         053010
00334
         053020
         05 30 30
00335_ .
         053040
00336
         053050____
00337
                    IF DR6 = 'CC' MOVE 'CC-1500-F' TO DD15 (J, K) GO TO DORX.

IF OR6 = 'IC' MOVE 'LC-1500-F' TO DD15 (J, K) ...GO TO DORX.
00338
         053060
                                                                                            CM000095
00339
         053070.
                                                                                           _CH000095_
```

00340	053080		CHOOOOS
00341	<u>υρουσυ</u> 053090		
00341	053090		CMODODAS
00343	053120	GO TO RO-HK.	CM000095
00344		.00CENO	CM000075
00345	053140		CM000095
00346	053150		CM000095
00347	053160	•	CM000095
00348		DOR 2	CM000095
00349	054020	TE PARTA - AS ON TA MARYA	CM000095
00350	054030	IF_RDR78 = 16 GQ TO ODR28.	CM000095
00351	054040	IF RORTB = 24 GO TO ODR2C.	CM000095
00352	.054050		CM000095
00353	054060	IF ROR7B = 40 GO TO ODR2E.	CM000095
. 00354	054070	IF ROR78 = 80 GO TO DOR2F.	CM000095
00355	054080	C C C C C C C C C C C C C C C C C C C	CHOOOOE
_ 00356_		OISPLAY 154091 DR7 GQ TO RO-HK.	
00357		DOR2A.	CM000095
	054110	IF RR7A = *+*	
00359	054120	MDVE ' 2' TO 005 (J, K)	CM000095
		MOME 1 - 4 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	
00361	054140	MDVE ' 3' TO DD7 (J, K) MOVE '8 MV' TO 008 (J, K)	CM000095
00363		GO TO DOR20.	CM000095
		IF_RR7A = "-".	CMOOOOOS
00365	054180	MOVE ' 2' TO 005 (J, K)	
00366	054190	MOVE ' 2' TO 005 (J, K)	CH000075
00367	05 42 00	MOVE ' 1' TO DD7 (J. K)	CM000095
	054210		CM000095
00369	054220		
00370	054230	GO TO DORZO. GO TO DORZZ.	CM000095
00371		DOR 2B .	CM000095
00372	055020	IE_RR7A = '+'	CM000095
00373	055030	MOVE ' 5' TD DD5 (J, K)MOVE '0_MV'.TD .OD6. (J, K)	CM000095
00374_	<u>05504</u> 0	MOVE_'O_MV' .TD .OQ6. (J.K)	CM000095
00375	055050	MOAF, 9, IN ONL (2* K)	CM000095
	055060	MOVE ! 16 MV'_TO DOB (J, K)	CM000095
00377	0,,010	GO TO ODR20.	CM000095
	055080	GD TO DDR20. LE_RR7A = 4-1. NOVE 1 5' TO DDS (1.6 K)	CM000095
00379	055090	5 10 005 top R/	CM000095
	055100		CM000095
00381	055110	MOVE ' 4' TO DO7 (J, K) MDVE '-16 HV'.TO DD8 (J, K)	CM000095
00382	U5512U 055130		CM000095 CM000095
00384			CM000045
00385		. በበዩ <u>ን</u> ሮ	CMOOOOS
00386			CM000073
00387	055170	MOVE ' 8' TO 005 (J. K)	CM000095
00388	055180		CMODDOOS
00389	055190	MOVE 1 91 TO 007 (J. K)	CM000095
00390	055200		CM000095
00391	055210	GO TO OOR20.	CM000095
_00392	055220	IF_RR7A = '-'	C M000095
00393	055230	MOVE ' 8' TO OD5 (J. K)	CM000095
00394		MOVE_10 MY' TO DD6 {J, K}	CM000095_
00395	055250	MOVE ' 7' TO 007 (J. K)	CM000095
00396	05601Q	MOVE !-24. MY' TO DD8 (J. K)	CH000095

00397	056020	GO_TO_DOR2Q,	CM000095
00398	056030	GO TO OOR2Z.	CM000095
00399	056040		CM000095
00400	056050	IF RR 7A = "+"	CM000095
00401	056060		CM000095_
00402	056070	MOVE '11' TO 005 (J, K)	
00403	056080	MOVE '12' TO 007 (J, K) MOVE '32 MV' TO 008 (J, K)	CM000095
00404	056090	MOVE "32 MV" TO 008 {J. K}	C4000095
_00405	056100		CM0000095 _
00406	056110	IF RR7A = "-"	CM000095
00407	056120	MDYE 111 TO 005 (J. K)	
00408	056130	MOVE '0 MY' TO 006 (J, K)	CM000095
00409	056140	MOVE !10! TO 007 (J. KI	CM000095 .
00410	056150	MOVE '-32 MV' TO 008 (J, K) GO TO OOR2Q.	CM0000095
_00411	<u>056160</u>	GU 10 UOR20,	CM0000095
00412	055170	GU 10 00K2Z+	CHOOCOAS
		OOR2E	
00414	056190	IF RR7A = "+"	CM000095
_00415			CM000095
00416	056210	MOVE '0 MV' TO 006 (J, K)	CM000095
00417		MOVE '15' TO DO7 (J. K) MOVE '40 MV' TO 008 (J. K)	CM000095_
00418	056230	CO TO 00030	CM000095
00417_	056240 057010		CM000095
			CHOOODYJ
00421	_ <u>0</u> 5702 <u>0</u> 057030	, HOVE 'O MY' TO 006 (J. K)	CM000095
	057040	MOVE '13' TO 005 (J, K)	CM000095
30424	057050	MOVE '-40 MY' TO 008 (J, K)	CM000095
00425	057060		CM000095
00426	057070	GO TO ODR22.	CM000095
00427		.00 <u>R</u> 2F	CM000095
00428	057090	IF RR7A = "+"	CM000095
00429	057100	MOVE 17' TO 005 (J, K)	CM000095
00430	057110	MOVE 'O MV' TO 006 (J. K)	CM000095
00431	057120		CM000095
00432	057130	MOVE '80 MV' TO ODS (J, K)	CM000095
00433	.057140	GO TO OOR2O.	CM000095
00434	057150	IF RR7A = "-"	CM000095
00435	057160	MOVE *17* TO DD5 (J. K)	CM000095
00436	057170	, MOVE "Ο MV" ΤΟ 006 (J. K)	CM000095
00437	057180	MOVE "16" TO 007 (J, K)	CM000095
00438	057190	MOVE "-80 MV" TO DOS (J, K)	CM000095
00439	057200_		
00440	057210	GO TO DOR2Z.	CM000095
.00441	057220		C4000095
00442	057230	MOVE 'MY CALS' TO ODIG (J. K).	CM000095
00443	057240	GO TO OOR9.	CM0000095
00444		HK-ENO.	CM000095
	062020	CLOSE HOOK	CM000095
00446	069020	MOVE 1_TO J. MOVE ' MUX CHAN ' TO MCOO. MOVE 25 TO JECT.	CM000095
00447 00448	069020	PERFORM WRDO1 VARYING J FROM 1 BY 1 UNTIL J = 8 AFTER K FROM	GF1000077
00448	069040	1 BY 1 UNTIL K > 64.	
00449	069060	MOVE 24 TO JECT.	CM000095
00450	069070	GO TO WR-SR.	C4000095
00452	069100		CM000095
00453	069110	SUBTRACT 1 FROM K GIVING LOO2.	000073
,	/		

```
00454
         069120
                       MOVE J TO LOO1.
00455
         069150
                       MDVE 003 (J. K) TO LDD3.
                                                                                                 CM000095
                                                                                                 CM000095
00455
         069160
                       MDVE DD4 (J, K) TD LOO4.
00457
         069170
                       MOVE DDS (J. K) TO LODS.
                                                                                                 CM000095
                       MOVE DD6 (J. K) TO LD06. MDVE 007 (J. K) TO L007.
00458
         069180
                                                                                                 CM000095
         069190
00459
                                                                                                 CM0000095
         069200
                       MDVE DD8 (J, K) TO LDD8.
00460
                                                                                                 CM000095
00461
          069210
                       MOVE DOS (J. K) TO LODS.
                                                                                                 CM000095
00462
          069220
                       MDVE 0010 (J, K) TD LDD10 MDVE DD11 (J, K) TD LD011
                                                                                                 CM000095
         069230
00463
                                                                                                 CM000095
                       MDVE DD12 (J. K) TO LD012
00464
         069240
                                                                                                 CM000095
                       MOVE DD13 (J, K) TO LDD13 MOVE DD14 (J, K) TO LDD14.
00465
         069250
                                                                                                 CM000095
00466
         070010
                                                                                                 CM000095
00467
         070020
                       MDVE DD15 (J. K) TD LD015.
                                                                                                 CM000095
                       MOVE DO16 (J, K) TD LODI6.
IF DOSN (J, K) = '-' MOVE '-' TO FILLER1 FILLER2 FILLER3
00468
         07003C
                                                                                                 CM000095
00469
         070040
                                                                                                 CM000095
                           FILLER4 FILLER5 ELSE MOVE SPACE TO FILLER1 FILLER2 ....
FILLER3 FILLER4 FILLER5.
0047C
         070050
                                                                                                 CM000095
00471
         070060
                                                                                                 CM0000095
00472
         C70070_
                       (F K = 1 DR JECT = 25
00473
         070071
                           WRITE LIT FROM DDAS-HD AFTER O
                            WRITE LIT FROM HEADMCDD AFTER 2
00474
         070080
         070090
                                                                                                 CM000095
00475
                           MOVE O TO JECT.
                       AOD 1 TO JECT.
00476
         070100
                                                                                                 CM0000095
00477
         070110
                       WRITE LIT FROM DOLIST AFTER 2.
                                                                                                 CM000095
00478
         073010 SPACE-TB.
                                                                                                 CM000095
00479
         073110
                       PERFORM SPC-DO VARYING K FROM 1 BY 1 UNTIL K > 64 AFTER
                                                                                                 CM000095
                       .J FROM 1 BY 1 UNTIL J > 7.
PERFORM SPC-SV VARYING K FROM 1 BY 1 UNTIL K > 12 AFTER
00480
         073120
       **073090
                                                                                                 CM000095
00481
00482
         073100
                           J FROM 1 BY 1 UNTIL J > 60.
                                                                                                 CM000095
00483
         074180 SPC-SV
                                                                                                 CM000095
00484
         C7419C
                       MOVE SPACE TO SV3 (J. K).
                                                                                                 CM000095
00485
         074200 SPC-00.
                                                                                                 CM000095
         074210
                       MDVE SPACE TO DD1 (J, K), D02 (J, K), DD3 (J, K) D04 (J, K) CM000095
00486
                           DD5 (J, K) DD6 (J, K) D07 (J, K) DD8 (J, K)
D09 (J, K) DD10 (J, K) DD11 (J, K) O012 (J, K)
DD13 (J, K) DD14 (J, K) DD15 (J, K) DD16 (J, K)
00487
         074220
                                                                                                 CM000095
00488
         074230
                                                                                                 CM000095
00489
         074240
                                                                                                 CM000095
00490
         074250
                           DDSN (J. K).
                                                                                                 CM000095
00491 **071010 WK-SR.
                                                                                                 CM000095
                       MOVE 24 TO JECT.
MOVE SCF TO FIXE.
00492
       **C5724C
                                                                                                 CM000095
00493
         057250
                                                                                                 CH000095
00494
         069010 WR-SV.
                       PERFORM WRSVI VARYING J FROM 1 BY 1 UNTIL J > 60.
00495
00496 **066240
                       GU TO WR-ALL.
                                                                                                 CM000095
20497
         C69060 WRSV1.
                                                                                                 CM000095
                       IF J = 1 PERFURM SYTOP.
00495
00499
                       IF J = 21 PERFORM SVTOP.
                       (F J = 41 PERFORM SYTOP.
20500
                      MOVE SV3 (J, 2) TO PORT2.
MIVE SV3 (J, 3) TO PORT3.
MIVE SV3 (J, 4) TU PORT4.
MOVE SV3 (J, 5) TO PORT5.
00501
00502
00503
00504 1
00505
00505
                       MOVE SV3 (J. 6) TU PORT6.
00507
                       MOVE SV3 (J. 7) TO PORTY.
00508
                       MOVE SV3 (J. 8) TO PORTS.
00500
                       MOVE SV3 (J. 9) TO PURT9.
00510
                       MOVE SV3 (J, 10) TU PORTIO.
```

00511		MDVE SV3 [J, 11] TO P	ORT11.		
00512		MOVE SV3 (J, 12) TO P	ORT12.		
00513		WRITE LIT FROM SYLINE	AFTER 2.	_	
00514		SVTOP.			
00515		WRITE LIT FROM SYTOP1	AFTER O.		
00516		HRITE LIT FROM SYTOP2	AFTER 3.		
00517		WRITE LIT FROM SVTOP3	AFTER 1.		
00518	**067230	WR-ALL.			- CMOODO95
00519	072040	CLOSE LIST.			CM000095
00520	072050	CLOSE DCARD.			
00521	072060	STOP RUN.			

__1 ..

	O0008
00008	O0008
00008	00008
00008	00008
00008	O0008
00008	O0008
00008	O0008
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	O0020O01200_ED. GILMORE RECORDING F BLOCK 1.RECOROS RECORO 747 CM000049 00021 001210 LABEL RECOROS STANOARD OATA RECORO GILM. CM000049 00022. 002010.01 GILM. CM000049 00023 002020 02 FILLER PICTURE X(10). CM000049
DODGO	
00025	
00025	00021 001210 CHOCOUCHS 00022. 002010. 01 GILM. CM000045 00023 002020 02 FILLER PICTURE X(10). CM000045 00024 002030 02 RINS-ND PICTURE X116)
00025	
00025	
00025	00025 002031 02 RINS-NO REDEFINES INS-NO.
	00052 005031 05 KI42-40 KENELINE2 IN2-40.
	AAAA. AAAAAA AA MILLIA SIADUA
	0002600203203 FILLER PICTURE X.
	00027 002033 03 INS-NN PICTURE XI151.
	000280204002_FILLERPICTUREX(8)
	00029 002050 02 MFGR PICTURE X(12). CM000049
00034 002073	00031 002070 02 RANGE.
00034 002073	00032
00035 002074 03 RG4 PICTURE X. 00036 002075 03 RG5 PICTURE X. 00037 002080 02 RANGE-UNIT PICTURE X(12). CM000049 00038 002090 02 PIC PICTURE X. CM000049 00039 002100 02 FILLER PICTURE X(13). CM000049 00040 002110 02 NIC PICTURE X. 00041 002120 02 FILLER PICTURE X(11). CM000049 00041 002120 02 FILLER PICTURE X(11). CM000049 00042 002130 02 POC PICTURE X. 00043 002140 02 FILLER PICTURE X. 00044 002150 02 FACILITY PICTURE X. 00045 002160 02 NOC PICTURE X. 00046 002170 02 FILLER PICTURE X. 00047 002180 02 FILLER PICTURE X. 00048 002181 03 0CM0 PICTURE 99. CM000049	00033 002072 03 RGZ PICTURE X.
00037 002080 02 RANGE-UNIT PICTURE X(12). CM000049	.00034002073 03 RG3 _ PICTURE X
00037 002080 02 RANGE-UNIT PICTURE X(12). CM000049	00035 002074 03 RG4 PICTURE X.
00038	_003600207503 RG5PICTURE X.
	00037 002080 02 RANGE-UNIT PICTURE X(12). CM000049
	_Q0038 002090 02 PIC
	00039 002100 02 FILLER PICTURE X(13). CM000049
	_00040 002110 . 02 NIC . PICTURE X
	UDU41 UUZ1ZU UZ FILLER PICTURE X(11). CM000049
	_0004Z 00213002 . POC . PICTURE X
	UDD43 UDZ140 OZ FILLER PICTURE X. CM000049
	OUD96OZI5GOZPAGILITY PICTURE XXXX CM000049
	00045 902160 02 NDG PICTURE X. CM000049
	00047 002180 02 OATE-CAL. CM000049
00049 002182 03 0C0Y PICTURE 99. CM000049 _00050002183 03 DCYR PICTURE 99 CM000049 _00051 002184 02 RDATE REDEFINES DATE-CAL PICTURE X16). CM000049 _00052002190 02 _EXCITATION_PICTURE X(299). CM000049	
	00049 002182 03 0COY PICTURE 99. CM000049
00051 002184 02 RDATE REOEFINES DATE-CAL PICTURE X16). CM000049 _00052002190 02_EXCITATION_PICTURE \$99Y99 CM000049 00053 002200 02 FILLER PICTURE X(299). CM000049	00050002183 03 DCYR P1CTURE 99
	00051 002184 02 RDATE RECEFINES DATE-CAL PICTURE X161. CM000049
00053 002200 02 FILLER PICTURE X(299). CM000049	_Q0052 002190
	00053 002200 02 FILLER PICTURE X(299). CM000049
00054 002210 02 R-CAL-TYPE PICTURE XXX	O0054 O02210 O2 R-CAL-IVEE PICTURE XXX

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FILLER __ PICTURE X(53)...
CORR-P-UN PICTURE X.
_00.055___002220___ 02 FILLER
                                                                                        CM000049
 00056
          002230 02
                                                                                        CM000049
          003010...
 00057
                    __02
                          RNO.
                                                                                         CHOOOOAA
                                           PICTURE
                              RNO-MVV
                                                      S9151V9.
 0005B
          003020
                          03
                                                                                        CM000049
 .00059
          .003030____
                          03
                              RNO-FS
                                           PICTURE .
                                                      59(7)V999.
                                                                                         CM000049
 00060
          003040
                          03
                              RNO-PSI
                                           PICTURE
                                                       59(51V99.
                                                                                         CM000049
          003050
                     02
 00061
                          RN1.
                                                                                        CM000049
          003060
                          03 RN1-RES
                                           PICTURE
                                                      S9(51V999.
                                                                                         CM000049
 00062
                              RN1-MVV .
                                           PICTURE
                          .03
                                                                                        CM000049
 00063
          0.03070
                                                      59(5) 4999.
                              RN1-FS
 00064
          003080
                          03
                                           PICTURE
                                                      59(5)V99.
                                                                                        C4000049
 00065
         _003090____
                          03
                              RN1-PSI
                                           PICTURE
                                                      59(6)V999.
 00066
          003100
                     02
                          RN2.
                                                                                        CM000049
 00067
          003110...
                     ___ 03
                              RN2-RES
                                           PICTURE
                                                      .S9{5}V999.
                                                                                        CM000C49
                              RN2-MVV
 00068
                          03
                                           PICTURE
                                                      S9(5)V999.
                                                                                        CM300049
          003120
 00069
                              RN2-FS
                                                                                         CM000049
          003130___
                                           DICTIBE
                                                      59(5)V99.
                          03
                              RN2-PST
                                                                                         CM000049
 00070
          003140
                          03
                                           PICTURE
                                                      S9(6) V999.
 .00071
                          RN3.
          .003150 ._ .
                                                                                         CM900049
                              RN3-RES
                                           PICTURE
                                                                                         CM000049
 00072
          003160
                          03
                                                      S9(5)V999.
 0.00.7.3
          003170
                          03
                              RN3-MVV.
                                           PICTURE
                                                      $9(5)V999.
                                                                                         CM000049
 00074
          003180
                          03
                              RN3-FS
                                           PICTURE
                                                      $9(5) V99.
                                                                                        CM000049
                          03
                              RN3-PSI
                                           PICTURE
                                                                                         CMODOOAG
 00075
          003190
                                                      59163V999.
                    02
 00076
          003200
                          RN4.
                                                                                        CM000049
__00077. _ . 003210
                          03
                              RN4-RES
                                           PICTURE
                                                                                         CM000049
                                                      $9(5)V999.
                          03
                              RN4-MVV
                                           PICTURE
                                                      59151V999.
                                                                                         CM000049
 00078
          003220
                              RN4-FS
                                                      59(5)V99.
0007.9
          003230
                                           PICTURE
                                                                                         CM000049
                          03
                              RN4-PSI
                                           PICTURE
 20080
                          03
                                                      59(6) 1999.
                                                                                         CM000049
          003240
                          RNOO-MV ...
                                           PICTURE
 Q00B1.
          .004010
                     02
                                                      S9(5)V9.
                                                                                        CM000049
 000B2
          004020
                      02
                          RNOO-FS
                                           PICTURE
                                                      S9(7)V999.
                                                                                         CM000049
 00083
          004030
                      02
                          RNOO-PSI
                                           PICTURE
                                                      $9(5)V99.
                                                                                         CM000049
 00084
          004040
                      02
                          FILLER
                                           PICTURE
                                                      X(77).
                     C-FILE .
                                   RECORDING F
                                                   BLOCK 1 RECORDS
 00085
          004050 FD
                                                                         RECORO 80
                                                                                        CM000049
                                   LABEL RECORDS STANDARD
                                                                 DATA RECORD CFLL.
 00086
          004060
                                                                                        CM000049
                              PICTURE
 00087__
                                         X(80).
         . 01 CFLL PICTURE X6 005001 WORKING-STORAGE SECTION.
 00088
00089
          .005010. 77_ CNOT
                           _. PICTURE.__9.99.9
                                                VALUE O.
                                                                                        _CM000049
          005019 01
 00090
                     CHANGE-RANGE.
 00091
          005020___
                   __ 02 CAT-RNG. __
                          03
                                      PICTURE X.
 00092
          005030
                              CRG1
 00093
          005040
                          _03
                              CRG2
                                      PICTURE_ X.__
 00094
          005050
                          03
                              CRG3
                                      PICTURE X.
0.009.5
          0.050.60
                          03_ CRG4
                                      PICTURE_X.
 00096
          005070
                          03 CRG5
                                      PICTURE X.
00097 **004070 01 CEIL.
                                                                                        CM000049
                                                  ZZZZ.
 00098
          004080
                          CNO
                                       PICTURE
                                                                                        CM000049
                     02
          004090 ...
                                       PICTURE
 00099
                          CCNT
                                                  9.
                                                                                        C4000049
                     02
                                       PICTURE
                                                  X17).
 00100
          004100
                     02
                          CTYPCO
                                                                                         CM300C49
_00101
          004110
                     02
                          CRANGE
                                       PICTURE
                                                                                         CM000049
                                                  X(7).
          004120
                          CRNUNIT
                                       PICTURE
                                                                                         C4900049
 00102
                     02
                                                  XXX.
                          CRNGCOOE
_00103
          004130
                      02
                                       PICTURE
                                                                                         CM0000649
                                                  х.
                                                  X(9).
 00104
                          CPARM
                                       PICTURE
         004140
                                                                                         CM300049
                      02
                          CMFG
 00105
          004150
                      02
                                       PICTURE
                                                  X191.
                                                                                         CM000049
 00,106
          004150
                      02
                          CAPONO
                                       PICTURE
                                                  X(6).
                                                                                         CM000C49
 00107 4
          004170
                      02
                          CAROCD
                                       PICTURE
                                                  X.
                                                                                         CM000049
 00108
          004180
                          CUDC
                                       PICTURE
                                                  X{4}.
                                                                                         CM0000049
                      92
          004190
 00109
                      02
                          CRN
                                       PICTURE
                                                                                        CM000049
                                                  Χ.
          004200
                          CPOSRN
 00110
                                       PICTURE
                                                  Y/91.
                      92
          004201
                          RCPOSRN
                                     RECEETNES CPOSEN
                                                          PICTURE -9999.999.
 00111
                      02
```

00112 004220 02 CNEGRN **PICTURE** X(9). CM0000049 02 CPED 00113 **004210 PICTURE XXX. CMANANA 02 RECAL CM000049 00114 004240 PICTURE X(6). 006010 PROCEDURE OTVISION. 00115 CM000049 00116 006020 OPEN INPUT GILMORE OUTPUT C-FILE. CM000049 00117 006030 PERFORM P9. CM000049 0011B 006040 MOVE SPACE TO CARONO. 006050 READ-GIL. 00119 CH000049 00120 006060 READ GILMORE AT ENO GO TO G-EOF. CM000049 00121 006061 IF FACILITY = 'RNOO' OR FACILITY = 'RN10' NEXT SENTENCE ELSE GO TO READ-GIL. 00122 006062 MOVE SPACE TO CAT-RNG. 00123 006069 IF RG1 = SPACE IF RG2 = SPACE 00124 006070 00125 006071 00126 006072 IF RG3 = SPACE 00127 006073 IF RG4 = SPACE 00128 _ 006074 IF RG5 = SPACE MOVE RANGE TO CAT-RNG ELSE HOVE RG5 TO CAT-RNG 00129 006075 00130 006076 ELSE MOVE RG4 TO CRG1 MOVE RG5 TO CRG2 ELSE MOVE RG3 TO CRG1 MOVE RG4 TO CRG2 MOVE RG5 TO CRG3 ... 00131 006077 00132. 006078 ELSE MOVE RG2 TO CRG1 MOVE RG3 TO CRG2 MOVE RG4 TO CRG3 00133 006079 00134 006080 MOVE RG5 TO CRG4 ELSE MOVE RANGE TO CAT-RNG. MOVE CAT-RNG TO CRANGE. 00135 006081 00136 006082 00137 006090 MOVE MFGR TO CMFG. CM000049 MOVE INS-NN TO CARONO. 00138 006100 00139 006110 IF EXCITATION = 10.00 AND R-CAL-TYPE = '0 CM000049 MOVE 'OS ' TO CUOC GO TO P8. 00140 006120 CM000049 IF EXCITATION = 5.00 AND R-CAL-TYPE = '0 'MOVE 'OS2 ' TO CUOC.GO TO P8. MOVE ' 'TO CUOC. 00141 006130 C4000049 00142 .006140 CM000049 IF ROATE = SPACE GO TO P2.
IF OCHO < 7 AOO 6 OC 006141 P8. 00143 CM000049 20144 006150 OCMO GIVING OCMO 00145 GO TO P2. 006160 CM000049 006170 SUBTRACT 6 FROM DCMO GIVING OCMO 00146 CM000049 OCYR GIVING DCYR. 00147 006180 A00 1 006190 P2. C4000049 00148 00149 006200 MOVE ROATE TO RECAL. IF MATE = 'CA3106E-145-55-F43 '
AND PIC = 'A' AND NIC = 'D' AND PDC = 'B' AND NOC = 'C' 00150 007010 CM000049 00151 007020 CM000049 MOVE 'OUCER-5' TO CTYPCO GO TO P3. 00152 007030 C4000049 IF MATE = "CA3106E-14S-5S-F43"
AND PIC = "A" AND NIC = "D" AND POC = "C" AND NOC = "B" 00153 007040 CM000049 00154 007050 CM000049 MOVE 'OUCR-5A' TO CTYPCO GO TO P3. 00155 007060 CM000049 IF MATE = "CA3106E-14S-5S-F43" AND PIC = "0" AND NIC = "C" AND POC = "A" AND NOC = "B" 00156 007070 CM000049 00157 007080 CM000049 MOVE 'OUCR-58' TO CTYPCO 00158 007090 GO TO P3. CM000049 00159 207100 PARROTHA 00160 007110 CM0000049 00161 007120 C4000049 IF MATE = "PTO6A-10-65(SR) AND PIC = "A" AND NIC = "O" AND POC = "C" AND NOC = "B" MOVE "DUCR-6A" TO CTYPCO GO TO P3. 00162 097130 00163 207140 CM000049 GO TO P3. 00154 007150 C4000049 007160 IF MATE = "PTC6A-10-65(SR) 00165 C4000040 AND PIC = "O" AND NIC = "C" AND POC = "A" AND NOC = "B" C0166 007170 CM000049 30157 007180 MOVE 'DUCK-68' TO CTYPCD GO TO P3. CM000C49 00168 007190 IF MATE = "MS3106B-145-25 CM000049

```
AND PIC = 'A' AND NIC = 'O' AND POC = 'B' AND NOC = 'C' ...
00169
         007200
                                                                                             CM000049
                      MOVE 'OUCER-4' TO CTYPCO
                                                       GO TO P3.
                                                                                              CM000049
00170
         007210
                      CM000049
00171
         007220
                                                                                              CM000049
00172
         007230
                                                                                              CM000049
00173
         007240
                      IF MATE = "MS3106B-14S-2S
00174
         008010
                                                                                             -CM000049
                      AND PIC = '0' AND NIC = 'C' AND POC = 'A' AND NOC = 'B' ...
MOVE 'OUCR-4B' TO CTYPED GO TO P3.
                                                                                             ·CM000049
00175
         008020
         008030
                                                                                              CM000049
00176
                      IF MATE = "PTO6A-8-4S(SR)
AND PIC = "A" AND NIC = "O" AND PDC = "B" AND NOC = "C"
                                                                                              CM000049
00177
         008040
                                                                                              CM0000049
00178
         008050
                      MOVE 'OUCER40' TO CTYPCO
                                                       GO TO P3.
                                                                                              CM000049
00179
         008060
                      IF MATE = 'PTO6A-8-4S(SR)

ANO PIC = 'A' ANO NIC = 'D' AND POC = 'C' ANO NOC = 'B'

MOVE 'OUCR40A' TO CTYPCO GO TO P3.
00180
         008070
                                                                                              CM000049
00181
         008080
                                                                                              CM000049
C0182
         008090
                                                                                              C4000049
                      IF MATE = 'PTO6A-8-4S(SR)

AND PIC = '0' AND NIC = 'C' AND POC = 'A' AND NOC = '8'

MOVE 'OUCR40B' TO CTYPCO GO TO P3.
                                                                                              CH000049
00183
         008100
                                                                                              CM000049
D0184
         008110
                                                                                              CM000049
00185 **008110
                       IF MATE = "CA3106E-14S-6S-F43" AND PIC = "A" AND NIC = "O" AND PIC = "B" AND NOC = "C"
                                                                                              CM000049
D0186
         008120
                                                                                              CM000049
00187
         008130
                       MOVE 'OUCER60' TO CTYPCO
                                                                                              CM000049
                                                       GO TO P3.
00188
         008140
                      IF MATE = "CA3106E-14S-6S-F43" AND PIC = "A" AND NIC = "0" AND POC = "C" AND NOC = "8"
         008150
                                                                                              CM000049
20189
                                                                                              CM000049
00190
         008160
                       MOVE 'OUCR60A' TO CTYPCO
00191
         008170
                                                       GO TO P3.
                                                                                              CM000049
                      IF MATE = "CA3106E-14S-6S-F43" AND PIC = "O" AND NIC = "C" AND POC = "A" AND NOC = "B"
                                                                                              CM000049
00192
         008180
00193
         008190
                                                                                              CM000049
                       MOVE 'OUCR608' TO CTYPCO
                                                       GO TO P3.
                                                                                              CM000049
20194
         008200
00195
                                                                                              CM000049
         008220
                       IF MATE = 'PTO6E-12-10S(SR)
                       AND PIC = "A" AND NIC = "O" AND POC = "B" AND NOC = "C"
00196
         008230
                                                                                              CM000049
00197
         008240
                       MOVE 'OUCERIO' TO CTYPCO
                                                       GO TO P3.
                                                                                              CM000049
00198
         009010
                       IF MATE = 'PTO6E-12-10S(SR)
                                                                                              C4000049
                      AND PIC = 'A' AND NIC = 'O' AND POC = 'C' AND NOC = 'B'
MOVE 'OUCRIOA' TO CTYPCO GO TO P3.
00199
         009020
                                                                                              CM000049
         009030
                                                                                              C4000049
00200
                      IF MATE = 'PTO6E-12-10S(SR) AND PIC = 'D' AND NIC = 'C' AND POC = 'A' AND NOC = 'B'
         009040
                                                                                              CM000049
00201
00202
         009050
                                                                                              CM000049
                       MOVE 'OUCRIOB' TO CTYPCO
         009060
                                                       GO TO P3.
                                                                                              CM000049
00203.
00204
                       IF MATE = "PC06-12-10S
                       AND PIC = "A" AND NIC = "O" AND POC = "8" AND NOC = "C"
00205
                       MOVE 'DUCRIOC' TO CTYPCO GO TO P3.
00206
                       IF MATE = 'PC06-12-10S
00207..
                       AND PIC = 'E' AND NIC = 'B' AND POC = 'D' AND NOC = 'A'
MOVE 'DUCR100' TO CTYPCO GO TO P3.
00208
00209
                       IF MATE = 'PCO6W-8-4S
00210
         009070
                                                                                              CM000049
                      ANO PIC. = 'A' ANO.NIC = 'O' ANO POC = 'B' ANO.NOC = 'C'
MOVE 'DUCER41' TO CTYPCO GO TO P3.
         009080 ..
                                                                                             _ CM000049__
00211
00212
         009090
                                                                                              C4000049
                      _ _ CM000049
00213.
         009100
00214
         009110
                                                                                              CM000049
         009120
                       MOVE 'OUCR41A' TO CTYPCD
                                                       GO TO P3. _ .
.00215
                                                                                              CM000049
00216
         009130
                       IF MATE = "PCO6W-8-4S
                                                                                              CM000049
                       AND PIC = '0' AND NIC = 'C' AND POC = 'A' AND NOC = 'B'
                                                                                              CM000049
.00217
          009140
                      MOVE 'OUCR41B' TO CTYPCD MOVE 'NON-STO' TO CTYPCO.
00218
          009150
                                                       GO TO P3.
                                                                                              C4000049
00219
         009160
                                                                                              CM000049
          009170 P3. IF CORR-P-UN = "A"
                                            MOVE 'PSA' TO CPEQ.
00220
                                                                                              CM000049
                      IF CORR-P-UN = 'G' MOVE 'PSG' TO CPEQ......
IF CORR-P-UN = 'O' MOVE 'PSO' TO CPEQ.
.00221
          009180
                                                                                              CM000049
00222
          009190 -
                                                                                              CM000049
-00223
         009200.
                       IF RANGE-UNIT = " ABSOLUTE " HOVE 'PSA' TO CRNUNIT
                                                                                              CM000049
00224
          009201
                      GO TO P4.
                                                                                              CM000049
                                                        ' MOYE 'PSG' TO CRMUNIT _ _ CM000049
00225
          009210 IF RANGE-UNIT = ' GAGE
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•	7	•	•	•

	_	
_00226009211	GD TD P4.	CM000049
	IF RANGE-UNIT = ' UNIOIR DIFF' MOVE 'PSO' TO CRNUNIT'	CM000049
00228 009221		CM000049
	IF RANGE-UNIT = ' BIOIR DIFF.' MOVE 'PSO' TO CRNUNIT	CM000049
	GO TO P4.	CM000049
	MOUR SAIAS TO ACCURAGE	CM000049
00232 009250 PA-	more was re-emenated	CM000049
00233 010030	HOVE 'N/A' TO CRNUNIT. HOVE 5 TO CCNT. HOVE 'O' TO CRN. HOVE 'N/A' TO CPOSRN. WRITE CFLL FROM CFIL.	CM000049
00234 010040	MOVE TO TO COM.	CM000049
00235 010050	MOVE IN/A! TO CROSEN.	011000017
_00236.	WRITE CFLL FROM CFIL.	
00237	DISPLAY CFIL.	
0023B 010080 P9.		CM000049
00239 010090	MOVE SPACE TO CTYPCO CRANGE CRNUNIT CRNGCODE CPARM CMFG	
	CAROCO CUDC. CNEGRN. RECAL.	CHOUGHT
00241 010101	MOVE O TO CNO.	
00242010110_P10.	· · · · · · · · · · · · · · · · · · ·	CM000049
00243 010120	MOVE A TO CONT	CM000049
00243 010120	MOVE 4 10 CCN1.	CM000049
00245 010160	MOVE 11 TO CRN IF RN1-PSI = 999999.999 MOVE 'N/A ' TO CPOSRN	CM000049
00245 010170	ELSE MOVE RNI-PSI TO RCPOSRN.	CHOOOO44
00247	WRITE CFLL FROM CFIL.	
00245 010100	DISPLAY CFIL 1 TO CPOSRN TO CPOSRN	CHOOOOLO
00249 010190	FIRE MOVE DAS-DEL TO BEDUEND . IN Choose	CHOOOO44
00250010200	ELSE MOVE RN2-PSI TO RCPOSRN	CHOOODAG
00251 010210	HUVE 3 IU CONTA	CHOOOUTS
00253	WRITE CFLL FROM CFIL.	64000044.
00253	WRITE CELL FROM GFIL.	
00255	OISPLAY CELL	
00255 010240	IL KUZ-621 = dadda-dada MAAE .N.Y . In Chark	CH000049
00256 010250	ELSE-MUYE-KN3-PS L.LU-KCPUSKN-	_ C4000049
00257 011010	MOVE 2 TO CCNT. MOVE .13 L.TO CRN.	CM000049
00258011020	HOVE 13 1.10 CRNs	. CAUUUU049
00259	WRITE CELL FROM CEIL.	
00260	OISPLAY CFIL	CH000010
00261 011040	IL KUA-121 = AAAAAAAAA MAAC ANA . IO CAOSKU	CH000044
00262011050	LELSE_HUVE_KN4=P31JU_KGPUSKN4_,	CH000049
00263 011060	MOVE 1 TO CCNT. MOVE 141 TO CRN.	CM000049
00264 011070	LINETE COLL COOK COLL	CMOUDO49.
00205	MRITE CFLL FROM CFIL. DISPLAY. CFIL	
UUZ66	UISKLAT. CTIL	CHOOOAA
00267 011090	PERFURE PY.	CMCCCCAA
00268011100	.GU_IU_XEAU=GIL	CM000049
00269 011150 G-E	OF. _CLOSE GILMORE C-FILESTOP RUN.	CM000049
00270 011160	CLUSE GILBURE C-EILE. STOP RUN.	CM000049

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00001 001010 IOENTIFICATION DIVISION.	CM000057
00002 001020 PROGRAM-10. CM000138.	
00003 001030 AUTHOR. JACK ROSE.	CM000057
00004 001040 INSTALLATION. ARD INC.	CM000057
00005 OATE-WRITTEN. JULY 1969.	-
00006 001060 OATE-COMPILED. SEP. 16,1969	
00007 001070 SECURITY.	CM000057
00008 001090 ENVIRONMENT 01VISION.	_ CM000057
00009 001100 CONFIGURATION SECTION.	· CM000057
<u>00010 001110 _SOURCE-COMPUTER. IBM-360 H50.</u>	CM000057
00011 001120 OBJECT-COMPUTER. IBM-360 H50.	CM000057
OOO12 OO1130 IMPUT-DUTPUT SECTION.	CM000057
00013 001140 FILE-CONTROL.	CM00d057
00014 001150 SELECT C-FILE ASSIGN 'CF001' UTILITY.	CM000057
00015 SELECT OUTFILE ASSIGN 'CFOUT' UTILITY.	
00016 001220 DATA 01VISION.	CM000057
00017 001230 FILE SECTION.	
00018 002010 FO C-FILE RECORDING F BLOCK 1 RECORDS RECO	
00019 002020 LABEL RECORDS GMITTED DATA RECORD	
00020002030_01C-FIL.	СМ000057
00021 002031 02 CF-TC PICTURE X.	CM000057
.0002200204002_CF-NOPICTURE XXX	CM000057
00023 002050 02 CF-CNT PICTURE 9.	CM000057
	CM000057
00025 002070 02 CF-RNG PICTURE X(7).	CM000057
00026 002080 02 CF-RNGU PICTURE XXX.	CM000057
00027 002090 02 CF-RNGCD PICTURE X.	CM000057
00028 002100 02 CF-PARM PICTURE X(9). 00029 002110 02 CF-MFG PICTURE X(9).	CM000057
	CM000057 CM000057
00030 002120 02 CF-INO PICTURE X(6) 00031 002130 02 CF-INOCO PICTURE X.	CM000057
00032 002140 02 CF-UOC PICTURE X(4).	CM000057
00032 002140 02 CF-RN PICTURE X.	CM000057
00034 002160 02 CF-POS PICTURE X(9).	CM000057
00035 002170 02 CF-NEG PICTURE X(9).	CM000057
0003600218002_CF-EQUPICTURE_XXX.	CM000057
00037 002190 02 CF-RCAL PICTURE X(6).	CM000057
00038 FO OUTFILE	011000031
00039 RECORDING F	
00040 BLOCK 1 RECORDS	
00041 RECORD 87	
00042 LABEL_RECORDS_STANDARD	
00043 OATA RECORD CFNEW.	
00044 01 CFNEW.	
00045 02 TC PICTURE X.	
00046 02 NR PICTURE XXX.	
00047 02 CNT PICTURE 9.	
00048 02 TYPCO PICTURE X(7).	
00049 02 RNG PICTURE X(7).	
00050 _ 02 RNGU PICTURE XXX.	
00051 02 RNGCO PICTURE X.	
00 <u>0</u> 52	
00053 02 MFG PICTURE X(9).	
. 00054 02 IND PICTURE X(6).	

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```
INOCD PICTURE X. UDC PICTURE X(4).
                          02
00055
00056
                           02
                                RN .-
00057
                           ÒZ_
                                            PICTURE X.
                                            PICTURE X(9).
00058
                           02
00059
                           02
                                NEG
                                          PICTURE X(9)
                           02
                                FOU
                                            PICTURE XXX.
00060
                                            PICTURE X(6).
00061
                           02
                                RCAL
                                            PICTURE X(7).
00062
                           02
                                RSORT
           007010 WORKING-STORAGE SECTION.

77 HOLO-RNG PICTURE X(7).

77 HOLO-INO PICTURE X(6).

012010 PROCEDURE DIVISION.
                                                                                                                 CM000057
00063
00064
00065
                                                                                                                 CM000057
00066
                                OPEN INPUT C-FILE.
OPEN OUTPUT OUTFILE.
00067
84000
             MOVE CF-RNG TO HOLD-RNG.
MOVE CF-RNG TO HOLD-RNG.
MOVE CF-RNO TO HOLD-INO.
00069
00071
00072
                           PERFORM MOVE-DATA.
                   2. READ C-FILE AT END GO TO 99.

IF CF-RN NOT = '0' GO TO 2.

IF CF-INO = HOLD-INO PERFORM MOVE-DATA GO TO 2.
00073
00074
00075
                           MOVE CF-ING TO HOLD-ING.
00076
                          MOVE CF-RNG TO HOLD-RNG.
PERFORM MOVE-DATA.
00077
00078
00079
                           GO TO 2.
                     MOVE-DATA.
00080
                       _ MOVE CF-TC TO TC. . MOVE CF-NO TO NR.
00081
00082
                           MOVE CF-CNT TO CNT.
00083
                           MOVE CF-TYPCO TO TYPCD.
00084
                           MOVE CF-RNG TO RNG.
00085
                           MOVE CF-RNGU TO RNGU.
98000
                          MOVE CF-RNGCD TO RNGCD.
MOVE CF-PARM TO PAR4
00087
00088
00089
                           MOVE CF-MFG TO MFG.
                          MOVE HOLD-INO TO INO.
MOVE CF-INDCD TO INOCD.
MOVE CF-UDC TO UDC.
00090
00091
00092
                           MOVE CF-RN TO RN.
MOVE CF-POS TO POS.
00093
00094
                           MOVE CF-NEG TO NEG.
00095
                           MOVE CF-EQU TO EQU.
MOVE CF-RCAL TO RCAL
00096
00097
00099
                           MOVE HOLD-RNG TO RSORT.
00099
                           WRITE CENEN.
00100
                          CLOSE C-FILE.
CLOSE DUTFILE
STOP RUN.
00101
00102
00103
```

00001	001010	10ENTIFICATION OIVISION.	C4000057
00002		PROGRAM-10. 'CM000133'.	
00003		AUTHOR. JACK ROSE.	CM000057
00004		INSTALLATION. ARD INC.	CM000057
00005		DATE-WRITTEN. JULY 1969.	
00006	001060	OATE-COMPILEO. SEP 17.1969	
00007		SECURITY.	CM000057
00008	_	REMARKS. THIS PROGRAM LISTS A SORTED RTF TOCR FILE.	
00009	001090	ENVIRONMENT DIVISION.	CM000057
00010	001100	CONFIGURATION SECTION.	CM000057
00011	001110	SOURCE-COMPUTER. IBM-360 H50.	CM000057
00012	001120	OBJECT-COMPUTER. IBM-360 H50.	CM000057
00013	001130	1NPUT-DUTPUT SECTION.	C4000057
00014	001140	FILE-CONTROL.	CM000057
00015	001150	SELECT C-FILE ASSIGN 'CFOOL' UTILITY.	CM000057
00016	001200	SELECT LISTING ASSIGN 'LTOOI' UTILITY.	C4000057
00017	001220	OATA DIVISION.	CM000057
0001B	001230	FILE SECTION.	
00019	002010	FD C-FILE RECORDING F BLOCK 1 RECORDS RECORD B7	CH000057
00020	002020	LABEL RECORDS OMITTED OATA RECORD C-FIL.	CM000057
-00021	002030	O1 C-FIL.	CM000057
00022	002031	O2 CF-TC PICTURE X.	CM000057
00023	002040	02 CF-NO PICTURE XXX.	C4000057
00024	002050	02 CF-CNT PICTURE 9.	CM000057
00025	002060	02 CF-TYPCD PICTURE X(7).	CM000057
00026	002070	02 CF-RNG PICTURE X(7).	C4000057
00027	002080	02 CF-RNGU PICTURE XXX.	CM000057
00028	002090	02 CF-RNGCO PICTURE X.	CM000057
00029	002100	- 02 CF-PARM PICTURE XI9).	CM000057
00030	002110	O2 CF-MFG PICTURE X(9).	CM000057
00031	002120	02 CF-1NO PICTURE X(6).	CM000057
00032	002130	02 CF-INOCO PICTURE X.	CM000057
00033	002140		CM000057
00034	002150		CM000057
00035	002160		CM000057
00036	002170		CM000057
00037	002180		CH000057
0003B	002190		CM000057
00039		02 CF-JUNK PICTURE X(7).	-
00040	006060		
00041	006070		CM000057
00042	006080		CH000057
00043		WDRKING-STORAGE SECTION.	CM000057
00044	007070		
00045	007080		CM000057
00046	007090		
00047	008081		CM000057
00048	008082		CM000057
00049	008090		C4000057
00050	008100		CM000057
00051	008110		C4000057
00052	008120		CM000057
00053	008130		CM000057
00054	008140	OZ FILLER PICTURE X(3) VALUE SPACE.	CM000057

00055	008150	02 LRNGU PICTURE XXX.	CM000057
00056	008150	02 FILLER PICTURE XXX VALUE SPACE.	CM000057
00057	008170	02 LRNGCO PICTURE X.	CM000057
00058	008180	TO2 "FILLER" PICTURE XXX VALUE SPACE.	CM000057
00059	008190	02 LPARM PICTURE X(9).	CM000057
00060	008200	02 FILLER PICTURE XXX VALUE SPACE.	CM000057
00061	008210	02 LMFG PICTURE X(9).	CM000057
00062	008220	02 FILLER PICTURE XXX VALUE SPACE.	CM000057
00063	008230	02 LINO PICTURE X(6).	CM000057
00064	008240	02 FILLER PICTURE XXX VALUE SPACE.	CM000057
00065	008250	02 LINOCO PICTURE X.	CM000057
00066	009010	02 FILLER PICTURE XXX VALUE SPACE.	CM000057
00067	009020	02 LUOC PICTURE XXXX.	CM000057
00068	009030	02 FILLER PICTURE XXXX VALUE SPACE.	C4000057
00069	009040	OZ LRN PICTURE X.	CM000057
00070	009050	DE FILLER PICTURE XXXX VALUE SPACE.	CM000057
00071	009060	02 LPOS PICTURE X(9).	CM000057
00072	009070	02 FILLER PICTURE XXX VALUE SPACE.	CM000057
00073	009080	OZ LNEG PICTURE X(9).	CM000057
00074	009090 ~~ `	02 FILLER PICTURE XXX VALUE SPACE.	CM000057
00075	009100	02 LEQU PICTURE XXX.	CM000057
00076	009110	O2 FILLER PICTURE XXX VALUE SPACE.	CM000057
00077	009120	02 LRCAL PICTURE X(6).	CM000057
00078	009130	02 FILLER PICTURE X(6) VALUE SPACE.	CM000057
00079	009180 01		CM000057
_0008Q	009190	02 FILLER PICTURE X(60) VALUE SPACE.	CM000057
00081	009200	02 FILLER PICTURE X(6) VALUE 'C-FILE'.	CM000057
700082	004510	'02 FILLER PICTURE X(66) VALUE SPACE.	CM000057
00083	010010 01		CM000057
TO 0 0 8 4 T	010020		CM000057
00085	010030-		NCM000057
00086	010040-	POS RN '-	CM000057
00087	010050		C4000057
00088	010060-		CM000057
00089		CEOURE DIVISION.	C4000057
00090	1.	CREAL TAIGHT & CEAC	
00091		OPEN INPUT C-FILE. OPEN-ODTPUT-LISTING.	
00092		WRITE LIST FROM F-PAGE AFTER O.	
00094	2.	HRITE LIST FRUM F-PAGE AFTER V.	
00095	٤٠	READ C-FILE AT END GO TO 99.	
00096		TF CF-RN NOT = "0" GO TO 2.	
00097	018200	IF EJCT > 52 MOVE O TO EJCT	CM000057
00098	018210	WRITE LIST FROM HEADER AFTER SKP	CM000057
00099	018211	MOVE "O" TO DSKP	0000007
00100	018220	MOVE 11 TO SKP.	
	**017150	MOVE CF-TC TO LTC.	CM000057
00102	017160	MOVE CF-TYPCO TO LTYPCD.	CM000057
00103	017170	MOVE CF-RNG TO LRNG.	CM000057
00104	017180	MOVE CF-RNGU TO LRNGU.	
00105	017190	MDVE CF-RNGCO TO LRNGCO.	CM000057
00106	017200	MOVE CF-PARM TO LPARM	CM000057
00107	017210	MOVE CF-MFG TO LMFG.	CM000057
90100	017220	MOVE CF-ING TO LING.	CM000057
00109	017230	MOVE CF-INOCO TO LINDCO.	CM000057
00110	017240	MOVE CF-UDC TO LUDC.	CM000057
00111 _	017250	MOYE, CF-RN. TO ,LRN.	CM000057

00112	018010	MOVE CF-POS TO LPOS.	C4000057
001T3	018020	MOVE CF-NEG TO LNEG.	C4000057
00114	01 8030	MOVE CF-EQU TO LEQU.	CM000057
00115	018040	MOVE CF-RCAL TO LRCAL.	CM000057
00116	018050	WRITE LIST FROM DATALN AFTER DSKP.	
00117		ADD 2 TO EJCT.	
00118		GO TO 2.	
00119	9	9.	
00120		CLOSE C-FILE LISTING.	
00121		STOP RUN.	

ı

COIOL IDENTIFICATION DIVISION.
00102 PROGRAM-ID. 'CM000082'.
00103 AUTHOR. ROSE. 00001 CM000082 CM000082 00002 AUTHOR. ROSE. 00003 INSTALLATION. ARO INC TULLAHOMA TENN. 00004 00104 00104 INSTALLATION. 00105 OATE-WRITTEN. 00005 CMODDOR2 OCIO6 DATE-COMPILEO. JAN 6,1970 00107 SECURITY. 00006 CM000082 00007 CM000082 00108 REMARKS. PRDGRAM UPDATES RTF C-FILE. 80000 OCIOB REMARKS. PROGRAM UPDATE
CO109 ENVIRONMENT DIVISION.
CO110 CONFIGURATION SECTION.
CO111 SOURCE-COMPUTER. IBM-360.
CO112 OBJECT-COMPUTER. IBM-360.
CO113 INPUT-JUTPUT SECTION.
CO114 FILE-CONTROL.
CO115 SELECT GILMORE ASSIGN
CO116 SELECT C-FILE ASSIGN
CO117 SELECT NEW-ONE ASSIGN
CO117 SELECT LISTING ASSIGN 00009 00010 . . -----00011 CM000082 CM000082 00012 CM000082 00013 ____CM000082 00014 SELECT GILMORE ASSIGN GILIN UTILITY.

SELECT C-FILE ASSIGN CFILE UTILITY.

SELECT NEW-ONF ASSIGN NUREC UTILITY.

SELECT LISTING ASSIGN ODLIST UTILITY.

SELECT OPCARO ASSIGN DPOOL UTILITY. 00015 CM000082 00016 00017 001171 CM000082 00018 00019 001172 CM0000082 00119 DATA DIVISION. CM000082 00020 00120 FILE SECTION. 00201 FD GILMDRE 00021 CM009082 RECORDING F BLDCK 1 RECDRDS RECORD 80 LABEL RECDRDS STANOARO DATA RECDRD GILM. 00022 00023 00202 CM000082 00024 00203 CI GILM. CM000082 02 G-CND PICTURE X(4). 02 GCELL REDEFINES G-CNO. 00025 00204 CM000082 OZ GCELL REDEFINES G-CNO.

O3 GA PICTURE X.

O3 GZ PICTURE X.

O2 G-CAT PICTURE X(7).

O2 G-TYPCO PICTURE X(7).

O2 G-RANGE PICTURE XXX.

O2 G-RCDDE PICTURE X.

O2 G-PARM PICTURE X(9).

O2 G-PARM PICTURE X(9).

O2 G-AROND PICTURE X(6).

O2 G-AROND PICTURE X.

O2 G-AROND PICTURE X.

O2 G-AROND PICTURE X.

O2 G-UDC PICTURE X.

O2 G-UDC PICTURE X.

O2 G-POS PICTURE X(9).

O2 G-POS PICTURE X(9).

O2 G-POS PICTURE X(9).

O2 G-PEQ PICTURE XXX. 00026 00027 CM000082 00028 00205 20029 CM000082 00030 00206 00031 00207 CM000082 ____ CM000082 00208 20032 00033 00209 ___CM000082 00034 00210 00211 CM000082 20035 CM000082 00036 00212 20037 00213 CH000082 00039 00214 CM000082 00039 00215 CM000082 00040 00216 CH000082 00041 00217 CM000082 02 G-PEQ PICTURE XXX.
02 G-RCAL PICTURE X(6). 07218 00042 CM000082 20043 20219 CM000082 RECORDING F BLOCK 1 RECORDS RECORD BO LABEL RECORDS STANDARO OATA RECORD CFIL. C-FILE 00044 00301 FO CM000082 LABEL RECORDS STANDARO DATA RECORD CFIL. 00045 20800 CM000082 00046 00303 01 CFIL. CM000082 . 20047 00304 02 C-ND PICTURE X0 02 CCELL REDEFINES C-NO. PICTURE X(4). CM0000082 00048 03 C1 PICTURE X.
03 C2 PICTURE XX 00049 00050 PICTURE XXX. 02 C-CAT 02 C-TYPCD 02 C-RANGE PICTURE 9. PICTURE X(7). 00305 00051 C4000082 00052 00306 PICTURE C4000082 00307 00053 PICTURE X(7). CMODDOR2 02 C-RUNIT C0054 00328 PICTURE XXX. CM000082

00055	00309		02	C-RCODE	PICTURE	х.				CM000082_
00056	00310		02	C-PARM	PICTURE	X[9].	•			CM000082
01057	00311		02	C-MFG	PICTURE	X[9].				CM000082
00058	00312		02	C-ARDNO	PICTURE	X161.				CM000082
00059	00313		02	C-AROCO	PICTURE	х.				CM000082
00050	00314		02	C-UOC	PICTURE	XXXX.			··	CM000082
00051	00315		02	C-RN	PICTURE	х.				CM000082
00062	02316		02	C-POS	PICTURE	X(9).		••		CM000082
00063	00317		02	C-NFG	PICTURE	X(9).				CM000082
00064	00318		02	C-PEQ	PICTURE	XXX.				CM000082
00065	00319		02	C-RCAL	PICTURE	X(6).				CM000082
00066	00401	FD	NEW-	-ONE	RECORDING	F BLOCK	K 1 RE	COROS RECORO	80	CM000082
20057	07402				LABEL RECO	RDS STAI		DATA RECORD N		CMOODOBZ
00068	00403	01	NUT.		7.14					CM000082
00069	00404		02	FILLER	PICTURE	X180)				CM000082
00070	004041	FÐ	LIST		ECORDING F	8LOCK	12 RECO	RDS RECORD 13	2	C
00071	004042			LASFL RE	FCORDS OMIT	TEO D.	ATA REC	ORO_LIST		CM000082
00072	004043	01	L (S1	r .						CM000082
00073	004044		02	FILLER	PICTURE X	(132).				_ CM000082_
00074	004050	FD	OPC		RECORDING	F BLOCK	1 RECO	ROS RECORO BO		CM000082
00075	004051	-		_	LABEL RECO	RDS STA	NDARD	ROS RECORO 80 OATA RECORO OC	ARO.	CM000082
00076	004052	D1	DCAF	RO.						CM000082
20077	004053		02	OPT	PICTURE X					_CM000082_
00078	004054		02	FILLER		x.		· · · · · · · · · · · · · · · · · · ·		CM000082
00079	004055		02	OATE.	_					CM000082
00080	004056			03 MD	PICTURE 99					CM000082
00081	004057			03 OY	PICTURE 99					CM000082
00082	004058			03 YR	PICTURE 99					CM000082
00083	204259		02	FILLER	PICTURE XI	70).				CM000082_
00084	004060		02	COMM	PICTURE X.					CM000082
00085	004051			88 COM	VALUE	'C'.				_CM000082
00086	**00406	WOR	KING-	-STORAGE	SECTION.					CM000082
00087	004061	77	JECT	r PIC	TURE 99 V	ALUE 60	•			
00088		77	JC AF	R PICT	TURE XI6).					
00089	004070	01	LLIN	NE.				ni		CM000082_
00090	004071		02	SK		X	VALUE	111.		CM000082
00091	004073		02	FILLER	PICTURE	XXXX	VALUE	SPACE		_CM000D82
00092			02	L-CELL	PICTURF X.					
00093	004075	_	02	FILLER	PICTURE_		VALUE	SPACE.		CM000082
00094	004376		02	L-TYPC0		X[7].				CM000082
00095	004077		02	FILLER		XXXX	VALUE	SPACE.		
00096	004378		02	L-RANGE		X(7).				CM000082
20097	004079		02	FILLER		XXX	VALUE	SPACE.		CM000082
00098	004080		02	L-UNIT		XXX.				CM000082
00099			. 02_	FILLER		XXX .	VALUE	SPACE.		CM000082_
00100	004082		02	L-COOE		X.				CM000082
00101	004083		02	FILLER	PICTURE	XXX	VALUE	SPACE		CM000082_
00102	004084		02	L-PARM		X[9].				CMARAGRA
00103	004085		02	FILLER		XXX	VALUE	SPACE.		_ CM000082
00134	004086		02	L-MFG		X[9].				CM000082
00105	004987		02	FILLFR			'AYT NE'	SPACE.		CM000082_
00106	004088		02	L-ARONO		X16).				CM000082
30107	004089	_	02	FILLER		XXX .	VALUE	SPACE		CMOOOOBZ
00108	004090		92	L-ARTICD		X .				CM000082
00109	004091		92	FILLER		XXX	VALUE	SPACE.		CM000082_
00110	004092		02	L-UDC	PICTURE	XXXX.				CM000082
00111	004093		02	FILLFR	PICTURE	XXXX	VALUE	SPACE.		_CM000082

•		
00112	004094	CM000082
00113	004095 02 FILLER PICTURE XXXX VALUE SPACE.	CM000082
00114	004096 02 L-POS PICTURE X(9).	CM000082
00115	UUTUTI UZ FILLEK PICIURE AAA VALUE SPACE.	CM000082
00116	004098 02 L-NEG PICTURE X(9).	CM000082
00117		
<u>00118</u>	004100 02 L-PEQ PICTURE XXX.	_CM000082
00119	004099 02 FILLER PICTURE XXX VALUE SPACE. 004100 02 L-PEQ PICTURE XXX. 004101 02 FILLER PICTURE XXX VALUE SPACE.	CM000082
00120	OUTIOZ UZ L-KCAL PICIONE A(B).	CMOOD ORZ.
00121		
00122		<u>C</u> M0000982,
00123	00422 02 FILLER PICTURE X(19) VALUE 'RTF TRANSOUCER FILE'.	
00125	00423 02 FILLER PICTURE X(63) VALUE SPACE.	CM0000082
00125	00425 01 HEAD.	CM000082
00127	00426 02 FILLER PICTURE X(20) VALUE ' CELL TYPE CD '.	CM000082
00128	00427 OZ FILLER PICTURE X(20) VALUE 'RANGE UNIT CODE '-	CM000082
00129	00428 02 FILLER PICTURE X(20) VALUE 'PARAMETER MEGR '.	CM000082
00130	00429 02 FILLER PICTURE X(20) VALUE ' ARD I-ND CODE HDC'.	CM000082
00131	00430 02 FILLER PICTURE X(20) VALUE ' RN POS RN '.	CM000082
00132	00431 02 FILLER PICTURE X(20) VALUE ! NEG RN UNITS	CM000082
00133	00432 02 FILLER PICTURE X(12) VALUE 'R DATE '.	
00134	00501 PROCEDURE DIVISION.	CM000082
00135	005011 NDTE1.	CM000082
00136_	005012 NOTE IF A LISTING OF UPDATED FILE IS DESIRED, PUNCH	CM000082
00137	005013 AN 'O' IN COLUMN 1 OF OPTION CARO, ELSE LEAVE	CMDOOD82
00138	005014 CDLUMN 1 BLANK.	_CM000082
00139 00140		CH000082
00140	00502 DPEN INPUT GILMORE C-FILE.	
00142	005031 OPEN OUTPUT LISTING.	CMODODBZ
00143	005031 OPEN OUTPUT NEW-DNE. 005031 OPEN OUTPUT LISTING 005032 OPEN INPUT OPCARO.	CM0000082
00144	005033 READ OPCARD AT END GO TO CARD-ERR.	0000002
00145	005034 IF COM NEXT SENTENCE ELSE GO TO CARD-ERR.	_CM000082
00146	00504 READGIL.	CM000082
30147	00505 KEAD GILMUKE AT END GU TU G-END.	C#000082
00148	00506 READ-C.	CM000082
00149	00507 READ C-FILE AT END GD TD C-END.	CM000082
.00150	MOVE C-AROND TO JCAR.	
00151	00508 CDMPR.	CM000082
00152	00509 IF C-ARONO < G-ARONO 00510 WRITE NUI FROM CFIL	CM000082
00154	005101 IF OPT = 'D' PERFORM MOV-CF GO TO READ-C ELSE	CM000082
00155	00510 WRITE NUT FROM CFIL 005101 IF OPT = 'D' PERFORM MOV-CF GO TO READ-C ELSE 00511 GO TO READ-C.	CM000082
00156	IF C-ARONO = G-ARONO	CHOOOOS
00157	IF C-ARDCD < G-ARDCD	
00158	WRITE NUL FROM CFIL	
00159	1F OPT = "D" PERFORM MOV-CF GO TO READ-C	- - ·
00160	ELSE GD TO READ-C.	
00161	00512 IF C-ARDNO = G-ARDNO	CM000082
00162	IF C-AROCD = G-AROCD	
00163	00513 WRITE NUL FROM GILM	C4000082
00164	005131 IF OPT = '0' PERFORM MOV-GIL GO TO READGIL ELSE	
00165	00514 GO TO READGIL. 00515 WRITE NU1 FROM GILM.	CM000082
0 <u>0166</u> 00167	00515 WRITE NUL FROM GILM. 005151 IF OPT = '0' PERFORM MDV-GIL.	CM000082
00168	OSSIA READ GILMORE AI END GO ID GEBUD.	CM000082
30100	To a common that the think to a deline and a desire " in to the " a deline" in the to the to the to the to the	Engopoaz

	euooooo
00169 00517 GD TO COMPR.	ÇM000082
00170 00518 C-END.	CMODOORS
00171 00519 WRITE NUL FROM GILM.	CWOOOO85
00169 00517 GD TO COMPR. 00170 00518 C-END. 00171 00519 MRITE NUL FROM GILM. 00172 005191 IF OPT = *0' PERFORM MOV-GIL. 00173 00520 READ GILMORE AT END GO TO ALLL.	CM000085
00174 00521 GD TD C-ENO.	CM000082
00175 00522 G-ENO.	CM000082
00176 IF JCAR = G-ARONO GO TO GEE.	
00177 00524 G1. WRITE NU1 FROM CFIL.	CM000082
00178 005240 GEE.	
00179 005241 IF OPT = '0' PERFORM MOV-CF.	CM000D82
00180 00525 READ C-FILE AT END GO TO ALLL. 00181 00601 GO TO G1.	CM000D82
00181 <u>00601</u> GD TO G1.	CMQ00082
00182 006011 CARO-ERR.	CM000082
00183 **006011 DISPLAY 'OPTION CARD IDIOT-EO'.	CM0000B2
00184 00602 ALLI.	CMOOOCA2
00185 00603 CLOSE C-FILE GILMORE NEW-ONE.	<u>CM</u> 000082_
00186 006031 CLOSE LISTING OPCARD.	CM00D082
00187 00604 STDP RUN.	CMODOO82_
DD188	CMOODDBZ
OO189 MOVE G-TYPCO TO L-TYPCO.	
00190 MDVE GA TO L-CELL.	
00191 00704 MOVE G-RANGE TO L-RANGE	ÇM000082.
00192 00705 MDVE G-RUNIT TO L-UNIT	CMD00082
00192 00705 MDVE G-RUNIT TO L-UNIT 00193 00706 MOVE G-RCODE TO L-CODE	
00194 00707 MOVE G-PARM TO L-PARM	CM000082
00195 00708 MOVE G-MFG TO L-MFG	CMOODO82 _
00194 00707 MDVE G-PARM TO L-PARM 00195 00708 MOVE G-MFG TO L-MFG 00196 00709 MDVE G-AROND TO L-AROND 00197 00710 MOVE G-AROCO TO L-AROCD 00198 00711 MDVE G-UDC TO L-UDC	CM000082
00197	CM003082
00198 00711 MDVE G-UDC TO L-UDC 00199 00712 MDVF G-RN TO L-RN 00200 00713 MDVF G-RDS TO L-RDS	CM000082
00199 00712 MOVE G-RN TO L-RN	CM000QD82
00201 00714 MOVE G-NEG TO L-NEG	CM000082
00202 00715 MOVE G-PEQ TO L-PEQ .	CM000082
00202 00715 MOVE G-PEQ TO L-PEQ . 00203 00716 MOVE G-RCAL TO L-RCAL	СМООООВ2
00204 00717 ADD 1 TO JECT.	CM000082
00205 00718 PERFORM CJECT	CMODOU82
00205 00718 PERFORM CJECT 00206 00719 WRITE LIST FROM LLINE AFTER SK. MOVE * * TO SK. 00207 00720 CJECT.	CWDDOORS
00207 D0720 CJECT.	CMUUDO82_
00208 00721 IF JECT > 52 00209 MOVE '0' TO SK	CM000082
00209 MOVE '0' TD SK 00210 00723 WRITE LIST FROM HEAD AFTER D	CM000082
00209 MOVE '0' TD_SK 00210 00723 WRITE LIST FROM HEAD AFTER O 00211 00724 MOVE C TO JECT. 00212 008000 MOV-CF.	C4000082
00212 008000 MDV-CF.	CM000082
00213 MOVE CL TO L-CELL.	
30214 00903 MOVE C-TYPED TO L-TYPED.	CM000082
00215 00804 MUVE C-RANGE TO L-RANGE.	CM000082
00216 00805 MOVE C-RUNIT TO L-UNIT	CM000082
00217 00806 MOVE C-RCODE TO L-CODE	CMD00082
00218 00807 MOVE C-PARM TO L-PARM	CM000082
00219	CM000082
CO220 CO809 MOVE C-ARONO TO L-ARONO	CM000082
00221 00810 MOVE C-AROCO TO L-AROCO	CM000082
00222	CWD00085.
00223 00812 MOVE G-RN TO L-RN	CM000082
OCZZ4 OO813 MOVE G-POS TO L-POS	CMD00082
20225 OC814 MDVE C-NEG TO L-NEG	CMD00082
	J

00226	00815	MOVE C-PEQ TO L-PEQ_		CM000082
30227	00816	MOVE C-RCAL TO L-RCAL		CM000082
00228	00817	ADD 1 TO JECT.		CM000082
00229	00818	PERFORM CJECT.		CM000082
00230	00819	WRITE LIST FROM LLINE	AFTER SK.	_CM000082
00231	00820	MOVE ' TO SK.		CM000082

```
_____ CM000057
00001
          OCIDIC IDENTIFICATION OIVISION.
                                                                                   _____ CM000057
20002
         OC1320 PROGRAM-10. 'CM030057'.
00003
          001030 AUTHOR. JACK ROSE.
         001040 INSTALLATION. ARD INC.
001050 DATE-WRITTEN. OEC 1967.
001050 DATE-COMPILED. JAN 6,1970
                                                                                                ____CH000057
20024
                                                                                                    CM000057
20005
                                                                                _____CM000057
00006
          CO1070 SECURITY.
00.007
                                 PROGRAM UPDATES RTF TRANSOUCER FILE. CM000057
00003
          OCIDBO REMARKS.
                                                                                                    CM000057
90000
          CO1090 ENVIRONMENT DIVISION.
                                                                        CM00057
00010
          DOLLO CONFIGURATION SECTION.
                      SOURCE-COMPUTER. IBM-360 H50.
OSJECT-COMPUTER. IBM-360 H50.
00011
         001110
                                                                          CM000057
00012
          001120
00013
          OCILISC INPUT-OUTPUT SECTION.
                                                                                                    CM000057
00014
          OC1140 FILE-CONTROL.
                       FILE-CONTROL.

SELECT C-FILE ASSIGN 'CF001' UTILITY.

SELECT C-IN ASSIGN 'CN001' UTILITY.

SELECT KARDS ASSIGN 'C0001' UTILITY.

SELECT NU-FILE ASSIGN 'NF00' UTILITY.

SELECT DUTFILF ASSIGN 'OT001' UTILITY.
00015
          001150
                                                                                                    CM000057
                                                                        CM000057
00016
          001160
                                                                                                    CH000057
71000
          001170
                                                                                                    CM000057
8100C
          001190
                                                                                                    CM000057
30019
          001190
                                                                                                 __CH000057
                       SELECT LISTING ASSIGN 'LTOOL' UTILITY.
          201200
0002C
         001220 DATA DIVISION.
001230 FILE SECTION.
002010 FO C-FILE RECORDING F BLOCK 1 RECORDS RECORD BO
002020 LABFL RECORDS OMITTED OATA RECORD C-FIL.
                                                                                                    CH000057
00021
00022
                                                                                                    CM000057
00023
20024
                                                                                                    CM000057
00025
          002030 01
                       C-FIL.
                                                                                                    CM000057
                       02 CF-TC
02 CF-ND
02 CF-CNT
                                                                                                    CM000057
00026
          002031
                                         PICTURE X.
                                         PICTURE
                                                                                                    CM000057
          202040
                                                    XXX.
00027
          002050
                                         PICTURE
                                                                                                    CM000057
                                                    9.
0002B
                       02 CF-TYPCD PICTURE
C2 CF-RNG PICTURE
                                                                                                    CM000057
00029
          002060
                                                    X(7).
                                                    X171.
00030
          002070
                                         PICTURE
                                                                                  . .___ CM000057
CM000057
                                        PICTURE XXX.
00031
          002080
                       02 CF-RNGU
00032
          002090
                       02 CF-RNGCD PICTURE X.
02 CF-PARY PICTURE X(9).
                                                                                                    CM000057
          002100
                                                                                                    CM000057
00233
                       02 CF-MFG
                                         PICTURE X(9).
                                                                           CH000057
         002110
00034
00035 ** 09 02 CF-INC9.
00036 10 03 CF-IN
00037 11 03 CF-IN
                       O3 CF-IND PICTURE X16).

O3 CF-INOCD PICTURE X.

O2 CF-UOC PICTURE X(4).

O2 CF-RN PICTURE X.

O2 CF-POS PICTURE X(9).

O2 CF-NEG PICTURE X19).
                       03 CF-IND PICTURE X16).
                                                                                            _____<u>CM</u>000057
00038
          002140
          002150
                                                                                                    CM000057
00039
00040
                                                                                                    CM000057
          002160
00041
          002170
                                                                                                    CM000057
                                         PICTURE_XXX.
24000
          002180
                            CF-EQU
                                                                                                    CM000057
                       02
00043 **
           29
                            CF-RCAL .
                            03 CFRMO
00044
                                            PICTURE XX.
              21
00045
             22
                                          PICTURE XX.
                       O3 CFRYR PICTURE XX.

KARDS RECORDING F BLOCK 10 RECORDS RECORD 80 CMO
LABEL RECORDS STANDARO OATA RECORDS N-CD C-CD O-CD. CMOOOD57
00046
              23
          013010 FD
00047
00048
          003020
          003030 01
                        N-CD.
20049
                                                                                                    CM000057
                       02 N-TC -
                       02 N-TC PICTURE X.
02 N-NO PICTURE XXX.
02 N-CNT PICTURE 9.
02 N-TYPCO PICTURE XI7).
02 N-RNG PICTURE X(7).
          003040
                                                                                                CM000057
CM000057
00050
          003741
02051
                                                                                               ____ CM000057
00052
          003359
          003060
                                                                                                    CM000057
20053
20054
          003070
                                                                                                    CM000057
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00055	003080	02 N-RNGU PICTURE XXX.	CM000057
00056	003090		
00057	003100	OZ N-PARM PICTURE X(9).	CM000057
00058	003110	OZ N-MFG PICTURE X(9).	CM000057
00059	00 <u>3</u> 120	02 N-INO PICTURE X(6)	CM000057
00060	003130	02 N-INOCO PICTURE X.	C4000057
000ė1_	_003140	02 N-UDS _ PICTURE XXXX.	C4003057
00062	003150	02 N-RN PICTURE X.	CM000057
00063	003160	OZ N-POS PICTURE X(9).	_CM000057
00064	003170	02 N-NEG PICTURE X(9).	CM000057
00065	003180	_OZ N-EQU PICTURE XXX	CM000057
00066	003190 .	02 N-RCAL PICTURE X(6).	CM000057
00067 00068	004010 01 004020		CM000057
00069	004030	O2 C-PARM PICTURE X(9). O2 RC-PARM REQEFINES C-PARM.	CM000057
00070	004040	03 RC-PL PICTURE X(6).	CM000057
00071	004050	03 RC-P1 PICTURE X(6). 03 FILLER PICTURE X	CM000057
00072	004050	O3 RC-P2 PICTURE X.	C4000057
00073	004070	03 FILLER PICTURE X.	CM000057
00074	004080	OZ C-INO PICTURE X(6).	CM000057
00075	004090	02 C-INOCO PICTURE X.	CH000057
00076	004100	02 C-UOC PICTURE XXXX.	CM000057
20077	004110	02 C-UOC PICTURE XXXX. 02 C-RN PICTURE X.	CM000057
00078	004120	02 C-POS PICTURE X(9).	CM000057
00079	004130	02 C-NEG PICTURE X(9). 02 C-NEG PICTURE X(9).	CM000057
00080	004140	02 C-RCAL PICTURE X(6).	CM000057
00081	004150	OZ C-TC PICTURE X.	CM000057
00082	004160	02 FILLER PICTURE X(34).	CM000057
00083	005010 01	n-rn.	CM000C57
00084	005020	02 O-OPT PICTURE X.	CMOOOOS7
00085	005030	88 D8-OPT VALUE 'D'.	
00086	005040	OZ J-PP PICTURE XX.	CM300057
20087	005050	02 D-OATE.	<u>CM</u> 000057
00088	005060	03 0-MO PICTURE 99.	CM000057
00089	005070	03 0-0Y PICTURE 99.	CM000057
00090	005080	03 D-YR PICTURE 99.	CM000057
_00091	005090	02 FILLER PICTURE X(70).	CM000057
00092	005100	02 G-C PICTURE X.	CM000057 CM000057
00093	005110 005130 F0	88 D8-C VALUE "C". OVIFILE RECORDING F BLOCK 1 RECORDS RECORD 80	CM000057
00095	005140	LABEL RECOROS STANOARD OATA RECORO DUTFIL.	CM000057
00096	005150 01		
	005160	02 FILLER PICTURE X(80).	CH000057
00098	006010 FO	C-IN RECORDING F BLOCK 1 RECORDS RECORD 80	_ C-000071
00099	006020	O2 FILLER PICTURE X(80). C-IN RECORDING F BLOCK 1 RECORDS RECORD 80 LABEL RECORDS STANDARO OATA RECORD CTIN.	CM000057
COLOC	006030 01		CM000057
00101			-
00102		C2 CTINRN PICTURE X.	
00103		02 CTINBO PICTURE X(27).	
00104	006060 FO	TISTING RECORDING E BLOCK 12 DECORDS DECORD 132	
00105	006070	LABEL RECORDS OMITTED DATA RECORD LISTT.	CM000057
00106	006080 01	LIST PICTURE X(132).	CMODOC57
00107	006090 E0	_NU-FILE . RECOROING F BLOCK 25 RECOROS RECORO 80	
00108	£36100	LABEL RECORDS STANDARD OATA RECORD NU-FIL.	
00109	006110 01	NU-FIL.	
00110	006120	02 FILLER PICTURE X(80).	
00111	007010 NOR	KING-STORAGE SECTION.	CM000057

CM000057

. 3 -- --CM000057 007020 77 SW PICTURE 9 00112 007030 77 KBXS CM000057 00113 PICTURE 9 VALUE O. 007040 77 007050 77 CSW VALUE O. CM000057 PICTURE 00114 PICTURE 99 CM000057 00115 SUB VALUE O. 007060 77 007070 77 PICTURE 99 _C4000057 20116 SUR1 SKP 20117 VALUE 59. EJCT _____CM000057 00118 007080 77 PICTURE 99 00119 007090 77 DSKP PICTURE X VALUE 0. PICTURE 9 VALUE 0.
PICTURE 9 VALUE 0.
PICTURE 99 VALUE 0.
PICTURE X VALUE SPACE. 00120 007100 77 SW2 00121 COSW 007110 77 00122 J CBS 00123 007120 77 00124 **007020 77 CDC PICTURE X(6) VALUE SPACE. 00125 ** ōī 01 CT-HOLO1. 02 CTH1 02 CTHNO PICTURE X(41). 00126 02 00127 03 02 CTHIB 00128 04 PICTURE X(26). 00129 PICTURE XX. 05 OZ CTHOY PICTURE XX. 00130 06 00131 07 PICTURE XX. 00132 CT-HOLO2. PICTURE X(80). CTHZ 17 02 00134 CT-HOLO3. 01 14 00135 02 CTH3 PICTURE X(80). 15 01_ CT-HOLO4. 00136 16 00137 02 CTH4 PICTURE X(80). 17 CT-HOLOS. 18 19 01 00138 00139 PICTURE X(80). 007130 01 HOLO-TESTCELL CM000057 00140 PICTURE X OCCURS 10. 00141 007140 02 HRC-PC CMODOOS7 CM000057 00142 008081 01 DATALN. FILLER PICTURE X(4) VALUE SPACE. 00143 008082 02 CM000057 _ LTC 00144 008090 PICTURE X. CM000057 FILLER PICTURE X(4) VALUE SPACE.
PICTURE X(7).
PICTURE X(4) VALUE SPACE. 00145 001100 02 CM000057 CM000057 _LTYPCD_ FILLER 00146 008110 02 CM000057 00147 008120 02 PICTURE X(7). CM000057 00148 008130 02 LRNG FILLER PICTURE X(3) VALUE SPACE. 00149 008140 ŌŻ CM000057 PICTURE XXX.
PICTURE XXX VALUE SPACE. 00150 C0815C C2 LRNGU CH000057 00151 FILLER 008160 CH000057 02 PICTURE XX VALUE SPACE. 008170 LRNGCO CH000057 00152 02 00153 FILLER OBIRO 02 CM000057 PICTURE X(9). CM000057 00154 008190 02 LPARM 00155 008200 02 FILLER PICTURE XXX VALUE SPACE. CM000057 00156 00157 LMFG PICTURE X(9).
PICTURE XXX VALUE SPACE. 008210 02 CM000057 008223 02 FILLER CM000057 00158 008230 LIND PICTURE X(6). CM000057 02 PICTURE XXX VALUE SPACE. 00159 FILLER CM000057 008240 02 PICTURE X. 00160 008250 02 LINOCD CM000057 PICTURE XXX VALUE SPACE. 00161 009010 02 FILLER CM000057 00162 009020 LUOC PICTURE xxxx. CM000057 02 00163 PICTURE XXXX VALUE SPACE. 009030 02 FILLER CM000057 00164 009040 PICTURE CM000057 02 LRN 009350 FILLER XXXX VALUE SPACE. 02 CM000057 FILLER PICTURE XXX VALUE SPACE.

LNEG PICTURE X(9). 00166 009050 02 CM000057 00167 009070 ŌŽ CM000057

00168

009080

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__ CM000057
                                            XXX VALUE SPACE.
00169
        009090
                    02 FILLER
                                  PICTURF
                                            XXX.
00170
        009100
                    02 LEQU
                                  PICTURE
                                                                                     CM000057
                                            XXX VALUE SPACE.
        009110
                    02
                        FILLER
                                   PICTURE
                                                                                     CM000057
00171
00172
        009120
                    02 LRCAL
                                   PICTURE
                                                                                     CM000057
                                                                               _____CM000057
                                   PICTURE X(6) VALUE SPACE.
00173
        009130
                    02 FILLER
                    F-PAGE.
        009180 01
                                                                                     CH000057
00174
                    02 FILLER PICTURE X(10) VALUE SPACE.
02 FILLER PICTURE X(108) VALUE TREF, J-INSTRUMENT BRANCH.
00175
00176
                    "MASTER TRANSOUCER INVENTORY AND ASSIGNMENT LISTING (C-FILE)
00177
00178
                                  RUN DATE .
00179
                    02
                        PRMO
                                 PICTURE 99.
00180
                    02
                        FILLFR
                                PICTURE X VALUE "-".
00181
                    02
                        PROY
                                PICTURE 99.
                        FILLER
                                PICTURE X VALUE '-'.
00182
                        PRYR PICTURE 99.
FILLER PICTURE X161 VALUE SPACE.
                    02
00183
00184
                    92
                    F-PAGES.
00185
               01
                    32 FILLER PICTURE X(10) VALUE SPACE.
00186
                    02 FILLER PICTURE X132) VALUE TRANSDUCERS BY INSTRUMENT NU
00187
00188
                    'MBER'.
                    02 FILLER PICTURE X(9C) VALUE SPACE.
001B9
        010010 01
                                                                                     CM0000057
                    HEADER .
00190
                                                            CELL TYPE CO RANGE CM000057
                    02 FILLER PICTURE X(99)
                                                  VALUE .
00191
        010020
                        UNIT CODE PARAMETER
00192
        010030-
                                                  MFGR
                                                            ARO I-NO CODE UDC
                                                                                   RNCM000057
00193
        010040-
                    .
                         PDS RN ..
                                                                                     CM000057
                                                          NEG RN UNITS R DATE CHOODOST
                        FILLER PICTURE X(33) VALUE .
00194
        010050
                    02
                                                                                CM000057
00195
        010060-
        G12010 PROCEDURE DIVISION.
00195
                                                                                     CM000057
                                                                                     CM000057
20197
        020000 NOTE1.
                    NOTE CARDS USED TO ADD OR REPLACE AN ENTIRELY NEW RECORD
                                                                                     C4000057
00199
        20010
                    MUST DE PRECEEDED WITH A HEADER CARD WHICH HAS 'HEAD-N' CM000057
PUNCHED IN COLUMNS 75 - BO THESE CARDS MUST BE SORTED CM000057
TO ARO-I-NO COLUMNS 42 - 47 ASCENDING SEQUENCE ALSO CM000057
00199
        020020
        020030
00200
00201
        020040
                    THESE MUST BE FIRST UPDATE CAROS SUPPLIED.
00202
        020050
                                                                                     CM000057
00203
        020060 NOTE2.
                                                                                     CM000057
                    NOTE THE NEXT TYPE OF UPDATE CARD IS USED TO MODIFY
20204
                     OR DELETE AN EXISTING RECORD THESE CARDS MUST BE
00205
                                                                                     CM000057
                     PRECEEDED BY A HEADER CARD WHICH HAS 'HEAD-C' PUNCHED
                                                                                     CM000057
00206
                     IN COLUMNS 75 -80 CAROS MUST BE SORTED TO ARO-40
20207
                     COLUMNS 10 - 15 ASCENDING SEQUENCE.
                                                                                     CMODOOS7
00208
00209 **012024 FIRSTT.
00210 **012020
                    OPEN INPUT C-IN.
                                                                                     CM000057
00211
       012030
                    OPEN OUTPUT C-FILF.
                                                                                     CM000057
OC212 **
           01
               AC. READ C-IN AT END GO TO AL.
               AZ. MOVE CTIN TO CT-HOLO1.
00213
           02
                    MOVE CTIN TO C-FIL.
00214
00215
           33
                    READ C-IN AT END GO TO Al.
           04
                    MOVE CTIN TO CT-HOLO2.
00216
           05
                    READ C-IN AT END GO TO AL.
00217
           95
                    MOVE CTIN TO CT-HOLO3.
00218
                    READ C-IN AT ENO GO TO A1.
00219
           97
00223
           CS
                    MOVE CTIN TO CT-HOLO4.
                    READ C-IN AT ENO GO TO AL.
00221
           09
                    IF CTINEY NOT = '4' GO TO AO-ERR.
00222
                    MOVE CTIN TO CT-HOLOS.
00223
           11
00224
           13
               A3.
00225
           14
                    READ C-IN AT ENO GO TO Al.
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			•
0D226		NOVE CTIN TO C-FIL.	
00227	15	IF CF-RN NDT = 'O' GD TD AO-ERR.	
00228	16	IF CF-INCD = CTHNO GO TD ACT1.	
00229	18	WRITE C-FIL FROM CT-HOLOI.	
00230	19	WRITE C-FIL FROM CT-HOLO2.	
00231	20	WRITE C-FIL FROM CT-HOLO3.	
00232	21	WRITE C-FIL FROM CT-HOLD4.	
00233	22	WRITE C-FIL FROM CT-HOLOS.	
00234	23	GO TO A2.	
00235 *		ACT1.	
00236	02	IF CFRYR > CTHYR GO TO A2.	
00237	03	IF CFRYR < CTHYR GO TD ACT2.	
00238	- D4	IF CFRMO > CTHMO GO TO AZ.	
00 23,9	05	IF CFRMO < CTHMO GO TO ACT2:	
00240	06	IF CFROY > CTHDY GO TO AZ.	
0D241	07	IF CFRDY < CTHDY GO TO ACTZ.	
0D242	DB	GO TO A2.	
00243		ACTZ.	
0D244	10	READ C-IN AT END GO TO AL.	
00245	11	READ C-IN AT ENO GO TO A1.	
00246	12	READ C-IN AT END GO TO A1.	
0D247	14	GO TO A3.	
0D248		AO-ERR. DISPLAY 'BAO FILE' CF-INCO.	
DD249 D025D	16	READ C-IN AT END GD TD A1.	
00250	10	MOVE CTIN TO C-FIL.	
00252	17	IF CF-RN NOT = "0" GD TD AO-ERR.	
0D253	18	GO TO A2.	
00254	D12080_/		CNOOD057
00255 +		WRITE C-FIL FROM CT-HOLOI.	.
00256	21	WRITE C-FIL FROM CT-HDLD2.	
00257	22	WRITE C-FIL FROM CT-HOLD3.	
00258	23	WRITE C-FIL FROM CT-HDLD4.	
00259	24	WRITE C-FIL FROM CT-HDLD5.	
0026D	01209D	CLOSE C-IN C-FILE.	CM000057
0D261	012100	OPEN INPUT KARDS.	: CM000057
00262	D12110	READ KARDS AT ENO GD TO NO-DP.	CMDDD057
0D263	D1212D	IF O-DPT NDT = *D* GD TO ND-DP.	CM000057
00264		MUAE 0-MD 10 NKMD.	
0D265		MOVE O-DY TO PRDY.	
00266		MOVE O-YR TO PRYR.	
00267	012130		
0D268	D12140	IF N-RCAL = "HEAD-N" GO TO PAR-B.	CMDD0057
00269	D12150	IF N-RCAL = "HEAO-C" GO TO PAR-A.	C4000057
0027D	012160	DISPLAY 'NO HEADER CARD ' STOP RUN.	CMODO057
00271	012170	NO-DP.	CM000057
00272	_012180	OISPLAY 'NO DPTION CARO ' STOP RUN.	CM000057
0D273	01219D F	PAR-B.	CMDD0057
00274	012200	READ KARDS AT END GO TO PAR-ZZ.	CM000057
00275	012212	IF N-RCAL = 'HEAD-C' GO TO PAR-A.	CHARRAS
00276	012210	OPEN I-O C-FILE. OPEN OUTPUT NU-FILE.	
00277	012220		CMD0D057
00278	012230	READ C-FILE AT END GO TO CBX.	CH000057
00279	013010		
00280	D13020 D13030	IF CF-INO < N-INO WRITE NU-FIL FROM C-FIL GO TO PAR-BI.	
00281			•
UU C 5 C	013340	IF CF-IND > N-IND GD TO B2XXX	•

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IF CF-INOCO > N-INOCO GO TO B2XXX. _ ___
00283
00284
          01 3060
                            MOVE CF-ING TO COC
PERFORM WRN THRU WRNX 5 TIMES
002B5
          013070
002B6
          013080
          013090
002B7
                            GO TO PAR-B2.
          013100 1.
002BB
                       IF CF-RN < N-RN GO TO 2.
IF CF-RN > N-RN OISPLAY '1312' CF-IND GD TO PAR-BI.
002B9
          013110
00290
          013120
00291
                       MOVE CF-ING TO COC.
         013130
                                                  -· .. . .
                       MOVE CF-INOCO TO CBS.
WRITE NU-FIL FROM N-CO. READ KAROS AT ENO GO TO PAR-ZZ.
00292
00293
          013140
00294
          013141
                        IF M-RCAL NOT = 'HEAD-C' GO TO 6.
                       IF CF-RN = 14° MOVE 1 TO KBXS GO TO KBX.
READ C-FILE AT END GO TO CBX2.
00295
          013142 8.
          013143
00296
                       WRITE NU-FIL FROM C-FIL.
00297
          013144
00298
          013145
                       IF COC = N-INO IF CBS = N-INOCO GO TO 3.

IF CF-RN = '4' GO TO PAR-B1.

READ C-FILE AT END GO TO CBX.

WRITE NU-FIL FROM C-FIL.
00299
00300
          013160 5.
00301
          013170
00302
          013180
          013190
00303
                       GO TO 5.
00304
          013200 2.
                       MOVE CF-IND TO COC.
WRITE NU-FIL FROM C-FIL.
00305
          013210
00306
          013220
00307
          013230 3
0030B
          013240
                        READ C-FILE AT END GO TO CBX.
          013250
                        IF CF-INO = CDC GO TO PAR-B2.
00309
                       DISPLAY '1401' GO TO PAR-BL.
00310
          C14010
00311
          014020 WRN.
                        IF COC NOT = CF-ING GD TO WRNX.
00312
          014030
                       WRITE NU-FIL FROM C-FIL.
READ C-FILE AT END GD TO CBX.
00313
          014040
00314
          014050
          014060 WRNX.
00315
                       EX IT.
00316
          014080 B2XXX.
00317
                       MOVE N-INOCO TO CBS.
00318
                       MOVE N-INO TO COC.
00319
          014090
          014100
00320
00321
          014110 WNU.
                        WRITE NU-FIL FROM N-CD.
00322
          014120
                       AOO 1 J GIVING J.
IF CDC NOT = N-IND DISPLAY "1414" GO TO PAR-B2.
00323
          014130
00324
          014140
          014150 7.
00325
                       READ KAROS AT END GO TO PAR-ZZ.

IF N-RCAL = "HEAD-C" GO TO 89.

IF J NOT = 5 GO TO WNU.
00326
          014160
00327
0032B
          014180
        014190
00329
                      IF CDC = N-IND IF CBS = N-INDCO OISPLAY '1419 ' COC CBS
                               GO TO 7.
00330
          014191
                  GO TO PAR-B2.

B9. WRITE NU-FIL FROM G-FIL. GO TO B.
00331
00332 89.
00333 **013130 CBX.
                                                                                                  CM000057
                             WRITE NU-FIL FROM N-CO.
00334
          013160
                                                                                                  CM000057
                            READ KARDS AT END GO TO CBX1.

IF N-RCAL = "HEAD-C" GD TO CBX2.
00335 **013140
                                                                                                  CM000057
00336
          013150
                                                                                                  CM000057
30337
          013170
                           GD TO CBX.
                                                                                                  CM000057
00338
          013180 CBX2.
                                                                                                  CM000057
                            CLOSE C-FILE NU-FILE.
00339
          013190
                                                                                                  CM000057
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      OPEN INPUT NU-FILE.
      CM00DD57

      OPEN DUTPUT C-FILE.
      CM000057

      CMDD057
      CMDD057

      READ NU-FILE AT END GO TO CBX22.
      CMDD057

      WRITE C-FIL FROM NU-FIL.
      CM000057

      GO TO CBX3.
      CM000057

00340
         013200
OC341
         013210
00342
         013220 CBX3.
         013230
00343
00344
         C1324C
                           CM000057
CM0DD057
CLDSE C-FILE NU-FILE.
CM000057
GD TD PAR-A.
CM000057
GD TO END-JOB-
00345
         013250
         C14010 CBX22.
D0345
         014020
20347
00348
         014030
00349
         01404C CBX1.
                                                                                        CM000057
00350
         014950
                                                                  - .....
         014070 KBX.
00351
                           READ C-FILE AT END GO TO KBX1. CMDDD057
WRITE NU-FIL FRDM C-FIL
00352
         014286
00353
         C1409C
                            WRITE NU-FIL FROM C-FIL.
                                                                            ..__. CMDDD057
00354
                           GO TO KAX.
         014100
00355
         01411C KBX1.
                                                               CM000057
                            IF KBXS = 1 GD TO CBX2.
0D356
         01412D
                           CM000057
CM000057
CM000057
CM000057
CM000057
READ KARDS AT END GO TO END-JOB.

CM000057

CF C-PARM = 'ZERO CALS' GO TO E1.

CM000057

CM000057

CM000057

CM000057

CM000057

CM000057

CM000057

CM000057

CM000057

CM000057
                           GO TO CBX1.
00357
         014130
                                                                                                CM000057
0D359
         014140 PAR-A.
00359
         014150
         014160 PAR-C.
00360
20351
         C1417C
         014180 PAXY.
00352
00363
         C14190
00364
         01423D
00365
         014210 PAR-D.
00366
         014211
                            IF SW2 = 1 MOVE D TD SW2 GO TO PAR-O1.
                           READ C-FILE AT END DISPLAY 'D14212' GD TO END-JOB1.
20367
         014212
         014713 PAR-D1.
00368
                      IF C-INO > CF-INO GO TO SHEWL.
00369
                       LE C-INDCD > CF-INDCD GO TO SHEWL.
0D37D
                       IF C-INO < CF-INO GO TO BADAS.

IF C-INOCD < CF-INOCD GO TO BADAS.

IF C-RN NOT = CF-RN GO TO SHEML.

CMD0D057

CM000057

CM000057
                       IF C-ING < CF-ING GO TO BADAS.
00371
00372
20373
         014230
         014240
20374
20375
         014250
                                                                                         CM0DDD57
                           IF C-UDC NOT = SPACE MOVE 1 TD CSW
00376
         C1501C
                           MOVE C-UDC TO CF-UDC.

LF C-RN NOT = SPACE MOVE 1 TO CSW

CM000057

CM000057
         D15020
20377
00378
         015030
                           MOVE C-RN TO CF-RN.

IF C-PDS NOT = SPACE MOVE 1 TO CSM

CM000057

CM000057
00379
         D15040
         015050
00330
                           MOVE C-POS TO CF-PDS. CMD00057

IF C-NEG NOT = SPACE MDVE 1 TO CSW CMD0057
00381
         015060
00382
         015070
00383
         D15080

        MDVE C-NEG TD CF-NEG.
        CM000057

        IF C-RCAL NOT = SPACE MOVE 1 TO CSW CM000057
        CM000057

        MDVE C-RCAL TD CF-RCAL.
        CMDD0057

       015090
00384
00385
         D1510D
                                                                                   CM000057
                           IF C-TC NOT = SPACE MOVE 1 TD CSW
00385
         D15110
                            MOVE C-TC TO CF-TC.
         015120
00387
                           IF CSW = D MDVE SPACE TO CF-PARM CF-TC CMOD0057
00388
         015130
00389
         015140
                             MOVE D TO CSW.
                       MOVE C-PARM TO CF-PARM.
00390
         015141
0D391
         01515C PAR-DD.
                                                                                                CM00D057
                                                                                        CMD00057
CMDDDD57
                   WRITE NU-FIL FROM C-FIL.
D0392
         015160
00393
         015170
                          GO TO PAR-C.
                      OISPLAY BAD INPUT CARD C-CD.
MOVF 1 TO SW2.
00394
                  BAOAS.
00395
00396
```

```
00397
                   GO TO PAR-C.
00399
        015180 SHEWL.
                                                                              __CM000057
20399
                    WRITE NU-FIL FROM C-FIL. GO TO PAR-O.
        015190
00400
        015200 EI.
                                                                               CM000057
00401
        015201
                       IF SW2 = 1 MOVE 0 TO SW2 GO TO E18.
                       READ C-FILE AT END OISPLAY 'OL5210' GO TO END-JOBI.
00402
        015210
00403
        015211 E1B.
00404
        015212
                   IF C-INO = CF-INO
00405
        015213
                   IF C-INOCO = CF-INOCD
                   IF C-RN = SPACE
00406
        015214
00407
        015215
                   GO TO ZRO-ALL.
C0408
        015220
                       IF C-INO = CF-INO
                   IF CF-INOCD = C-INOCD
IF CF-RN = C-RN
20429
        015230 .
00410
        015231
                        MOVE SPACE TO
00411
        015240
                                               CF-UDC CF-PARM CF-POS CF-NEG CM000057
20412
        015250
                        CF-RCAL CF-TC
                                                                                CM000057
00413
        C1601C
                        WRITE NU-FIL FROM C-FIL
                                                                                CM000057
00414
        016020
                        GO TO PAR-C.
                                                                                CM000057
                                                                              ___CM000057
00415
        016030
                       WRITE NU-FIL FROM C-FIL.
00415
                                                                                CM000057
        216240
                       SO TO E1.
00417
        ,016041 ZRO-4LL.
                   MOVE SPACE TO CF-UDC CF-PARM CF-POS CF-NEG CF-RCAL CF-TC.
00418
        016042
20419
        016043
                   WRITE NU-FIL FROM C-FIL.
00420
                   GO TO E1.
        016044
                                                        MOVE 0 TO SW2 CM000057
30421
        016050 E2.
                                          IF SW2 = 1
00422
        016060
                       IF RC-P2 = SPACE
                     GO TO EZAL FLSE GO TO EZA.
        016061
00423
                                                                                CM000057
20424
        016080 F2R.
                                                                            CM000057
00425
        016090
                       ADO 1 TO SUB.
00426
        016100
20427
        016110
                       GO TO PAR-C.
00428
        016120
                                                                                CM000057
                                                                     ... CMD00057
00429
        016150 E2A.
00430
                       IF SW2 = I MOVE O TO SW2 GO TO E2A1.
        016151
00431
                       READ C-FILE AT END DISPLAY '016160' GD TO END-JOBI.
        016160
30432
        016161 EZAI.
00433
        016170
                       IF C-IND = CF-IND
                       IF CF-INOCO = C-INOCO
30434
        016171
                       MOVE 'XXX' TO CE-NO
00435
        C15172
00436
        016180
                        MOVE 1 TO SW
20437
        016190
                        WRITE NU-FIL FROM C-FIL
                                                                                CM000057
00439
        016200
                        GO TO EZA.
                                                                                CM000057
00439
                       IF SW = 1 MOVE 0 TO SW MOVE 1 TO SW2 GO TO PAR-C.
        016210
                       WRITE NU-FIL FROM C-FIL.
00440
        016220
                                                                                CM000057
00441
        C1623C
                       GO TO EZA.
                                                                                CM000057
00442
        017730 E3.
                                                                                CM000057
00443
        217031
                       IF SW2 = 1 MOVE O TO SW2 GO TO E3A.
                       READ C-FILE AT END DISPLAY '017040' GO TO END-JOBI.
00444
        017646
      . 017041 E3A.
27445
02446
        017050
                       IF C-IND NOT = CF-IND WRITE NU-FIL FROM C-FIL GO TO E3. CM000057
20447 ***17052
                       IF CF-INDED NOT = C-INDED WRITE NU-FIL FROM C-FIL
C0449
        017052
                       SO TO E3.
        017060
20449
                       MOVE SPACE TO CF-TC CF-PARM.
                                                                                CM000057
CC450 '
        217970
                       WRITE NJ-FIL FROY C-FIL.
                                                                                CM000057
                       GO TO PAR-C.
00451
        017030
                                                                                CM000057
        017026 FND-JRH.
DC 452
00453
        217092
                       1F Sw2 = 1 GO TO FJ31.
```

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00454
        017093 EJB0.
                       READ C-FILE AT ENO GO TO EJ82.
00455
        017994
        017095 EJB1.
00456
00457
        017096
                       WRITE NU-FIL FROM C-FIL.
        217097
10453
                       GO TO FJBO.
00459
        017099 EJB2.
00460
        217099
                       CLOSE NU-FILE.
                                                                                  CM000057
00461
        C17107
                       OPFN I-D NU-FILE.
                       OPEN DUTPUT OUTFILE OPEN DUTPUT LISTING.
                                                                                   CM000057
00462
        017110
                                                                                   CM000057
        217121
00463
00464
                   WRITE LIST FROM F-PAGE AFTER O.
                                                                                  CM000057
        C17171
00465
                   WRITE LIST FROM F-PAGEB AFTER 2.
20466
        217122
                   GO TO CK-JCT.
                       READ NU-FILE INTO C-FIL AT END GO TO ALLJ.
00467
        017130 EJRO.
                                                                                   CM000057
                       IF CF-NO = "XXXX" GO TO EJRD. PERFORM CK-TC THRU CX. CM000057
MOVE CF-TC TO LTC. CM000057
        017140
10448
20469
        017150
                       MOVE CF-TYPCO TO LTYPCO. MOVE CF-RNG TO LRNG.
0C470
        317160
                                                                                   CM000057
00471
                                                                                   CM000057
        017170
00472
                       MOVE CF-RNGU TO LRNGU.
        017180
                       MOVE CF-RNGCO TO LRNGCO.
                                                                                  CM000057
00473
        017190
                                                                              ____CM000057
                       MOVE CF-PARM TO LPARM
        017200
00474
                       MOVE CF-MEG TO LMEG.
20475
        017210
                                                                                   CM000057
C3476
        017220
                       MOVE CE-ING TO LING.
                                                                                  CM000057
00477
                       MOVE CF-INGCO TO LINDCD.
                                                                                   CM000057
        017239
                       MOVE CF-UDG TO LUDG.
                                                                                  CM000057
0047B
        217240
                       MOVE CF-RN TO LRN.
MOVE CF-POS TO LPOS.
00479
        017250
                                                                                   CM000057
                                                                         _____CM000057
00480
        019010
                       MOVE CF-NEG TO LNEG.
00481
        018020
                                                                                  CM000057
00482
        018030
                       MOVE CF-FQU TO LEQU.
                                                                                   CM000057
CO4B3
                       MOVE CE-RCAL TO LRCAL.
        018040
                       WRITE LIST FROM OATALN AFTER OSKP.
20484
        018050
                       MOVE TO OSKP
00485
        C18251
                       WRITE OUTFIL FROM C-FIL.
                                                                  CM000057
        018960
00486
                   ADO 1 TO EJCT.
00487
        G18961
30488
        018070
                       GO TO CK-JCT.
                                                                                   CM000057
20489
        C18080 CK-TC.
                                                    _____CH0000<u>57</u>
00490
        018090
                       MOVE 1 TO SUB1.
        C18130 CK1.
00491
                       IF SUB1 > SUB GO TO CX.
IF CF-TC = HRC-PC {SUB1}
MOVE SPACE TO CF-TC CF-PARM.
00492
        018110
                                                                                 CM000057
OC493
        018120
                                                                                   CM000057
00494
        018130
                                                                                  CM000C57
00495
        C1814C
                       ADD 1 TO SUB1. GO TO CK1.
                                                                                   CM000057
                                                                                CM000057
00496
        019150 CX.
                      EXIT.
00497
        C18160 ALLJ.
                       CLOSE C-FILE KARDS NU-FILE OUTFILE LISTING. CM000057
20498
        013176
00499
        019180
                       STDP RUN.
                                                                                   CM000057
                                                                      CM000057
00500
        018190 CK-JCT.
00501
                       IF EJCT > 52 MOVE 0 TO EJCT
        018200
                       HRITE LIST FROM HEADER AFTER SKP
00502
        019210
                                                                ______CM000057
                       MOVE 'O' TO DSKP
00503
        018211
00504
        018220
                                                                                 CM000057
00525
        018230
                       GO TO EJRD.
00506
        019310_PAR-ZZ.
                                                                                  CM000057
00507
        019720
                       DISPLAY 'NO DATA CARDS FOR HEAD-N'
                                                                                   CM000057
        019030
                       CLDSE KARDS.
                                                              _____<u>CM0</u>00057
00508
00509
        019040
                       STOP RUN-
00510
        019350 END-JOR1.
```

00001	00101	COENTIFICATION OLVISION.	CM000019
00002	00102	PROGRAM-ID. CMOOOO19.	CM000019
00003	00104	ENVIRONMENT DIVISION.	CM000019
00004	00105	CONFIGURATION SECTION.	CM000019
00005	00106	SDURCE-COMPUTER. IBM-360 H50.	CM000019
00006		OBJECT-COMPUTER. 18M-360 H50.	
00007	00108	INPUT-DUTPUT SECTION.	CM000019
80000	00109	FILE-CONTROL.	CM000019
00009		SELECT A-FILE ASSIGN 'AFILEREC' UTILITY.	
00010	111_	SELECT B-FILE ASSIGN 'BFILEREC' UTILITY.	
00011	112	SELECT C-FILE ASSIGN 'CFILEREC' UTILITY.	
00012	113	SELECT 1-FILE ASSIGN 'IFILEREC' UTILITY.	
00013	114	SELECT PRT-A ASSIGN 'APRIOUT' UTILITY.	
00014	115	SELECT PRI-B ASSIGN 'BPRIDUT' UTILITY.	
00015	116	SELECT D-CARO ASSIGN "CPRTOUT" UTILITY.	•
.00016	117	SELECT NPATCHI ASSIGN 'PATIN' UTILITY.	
00017	118	SELECT NHOOKI ASSIGN 'HOKIN' UTILITY.	
00018		SELECT B-UPTAPE ASSIGN 'BTAPE' UTILITY.	
00019		SELECT C-UPTAPE ASSIGN 'CTAPE' UTILITY.	·
00020	00201	OATA DIVISION.	CM000019
00021	00202		CM000019
00022	00203	FO A-FILE RECORD CONTAINS BO CHARACTERS	CMODOO19
00023	00204	FO A-FILE RECORD CONTAINS BO CHARACTERS LABEL RECORDS ARE STANDARD RECORDING MODE IS F	CM000019
00024	00205	RECORDING MODE IS F	CM000019
00025		MIDER CONTAINS 45 RECORDS	
00026	00207	OATA RECORO IS A-CARO.	CM000019
00027	00208	O1 A-CARD.	CM000019
00028 +		OATA RECORD IS A-CARO. O1 A-CARD. O2 FILLER PICTURE X(4). O2 A1B-IN PICTURE S9.	
00029	210	OZ A1B-IN PICTURE S9.	CM000019
00030	211		
00031	00701	DZ FILLER PICTURE X(75). FD B-FILE RECORD CONTAINS 80 CHARACTERS LABEL RECORDS ARE STANDARO DEFORMACION DE TESTE STANDARO	CM000019
00032	00702	LABEL RECORDS ARE STANDARO	CM000019
00033	00703	RECORDING MODE IS F	CM000019
00034 *		DATA RECORD IS B-CARD. O1 8-CARD. O2 B1 PICTURE X(4).	
20035	00705	DATA RECORD IS B-CARD.	CM000019
00036	00706	01 8-CARD.	CH030013
00037		O2 B1 PICTURE X(4).	CM000019
00038	0070B	02 B2 PICTURE 9.	CM000019
00039	00709	02 B3.	
00050	00710	02 B3. 03 B3A PICTURE X. 03 B3B PICTURE X(3).	CM000019
00041	00711	03 838 PICTURE X(3).	CM000019
00041	00712	03 B3C PICTURE X.	CM000019
00042	00713		CM000019
00044	00714	OZ B3R REDEFINES B3. O3 B3RA PICTURE XX.	C#000019
00045	00715	O3 B3RB PICTURE XX.	- CM000019
00045	00715	03 B3RB PICTURE XX. 03 B3RC PICTURE X.	CM000019
00048		O2 B3RR REDEFINES B3R.	CM000019
30048	7162	02 B3RRA PICTURE XXXX.	
00049	7163	O3 B3RRB PICTURE X.	CM000019
00049			CHOODER
00051	7164	O2 BRR-R REDEFINES B3.	
	7165		
	7144	A2 N_B2 DICTIBE V	
00052	7166	03 N-B2 PICTURE X.	
	7166 7167 7168	O3 N-B2 PICTURE X. O3 N-B3 PICTURE X. O3 N-B4 PICTURE X.	

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				00.09 00					
0005 <u>5</u> 00056			03	N-85 P B4	(CTURE X	PICTURE	V(24)		CM000019
00056	00717 0071B	0		85.		PICTORE	A1271.		CM000019
00058			03	B5A		PICTURE	YY.		CM000019
00059			03	858		PICTURE			
000060		ó			EFINES B		<u></u>		000001
00061		O:			TURE X.				
00062		0			TURE X(3) .			
00063	7204	0.	2	BSRR RE	OFFINES I	35R .			
00064	7205		03	B SARR	PICTURE	XX.			
00065	7206		03	BSBRR	PICTURE	х.			
00066	7207		03	85CRR	PICTURE	Х.			
_00067		0		B6.					_CM000019
0006B	00723		03	B68		PICTURE			CM000019
	**00722		03	B6A		PICTURE	X(6).		CM000019
00070		0.	_	В7.		10 1960.			CM000019
00071	00802		03	B7A		PICTURE			CM000019
00072			03	B7A		PICTURE			CM000019
00073			03	B78		PICTURE	X(3).		CM000019_
00074			03	B7C		PICTURE			CM000019
00075	00806	0:	03	B7R B7R		REDEF(N			CM000019 CM000019
	00807 00808		03	87R		PICTURE			CM000019
00077	00809		03	B7R		PICTURE			CM000019
00079		^	2	88.		FICIORE	V/ 21.		CM000019
00080	00812	<u>_</u>	03	BBB		PICTURE	Y(3).		CM000019
	**00B11		- 03	BBA		PICTURE			CM000019
00082	00B13	Ö		B9.		. IU TORC	X () ()	· · · · · · · · · · · · · · · · · · ·	CM000019
00083	00815	7.	03	B9B		P (CTURE	X(3).		
	**00B14		03	B9A		PICTURE			CM000019
00085	00816	0	2	B10		PICTURE	X(9).		CM000019
00086	00817	ō:	2	811		PICTURE	х.		CM000019
20087	00901 F	D C	-FILE					RS	CM000019
3003B	00902						RE STANDARD		CM000019
00089	00903					NG MODE		· · · ·	CM000019
00090				850	CK CONTA				
00091	00905				DATA RE	CORD IS	C-CARD.		CM000019
00092	00906 0		-CARD.						CM000019
20093		0;			URE X.	_			
00094	2222	0			CTURE XX				CH000010
00095	00908 ** 909	0:				PICTURE	<u></u>		_CM00 <u>0019</u> _CM000019
00096	_					IUKE XIT	1.		
00097	00910	U	<u>2</u>	<u>C4.</u> C4A		PICTURE			C#000019
00099	C0912		03	C4B		PICTURE			CM000019
00100	C0913		23	C4C		PICTURE			CM000019
00100	00914	0:		C.5		PICTURE			CM000019
00101		0			TÜRE X19	L'IC LOVE	.^ <u></u>		_CH000017
00103	00916		7			•			CM000019
	** 917	9,	 03	C 7A	PICI	TURE X (6).		2.162002
00105			03	C7B		PICTURE			CM000019
00106	20919	0		CB		PICTURE		·	CM000019
00107		0	_		TURE X.				
00108	00921	0		C10			•		CM000019
00109	00922		03	C10		PICTURE	X191.	<u>-</u>	
00110	00974	C:		C11				•	CM000019
JOITI	C 925		. 03	_ C17	A	PICTURE	Xīaï•		CM000019

	The state of the s	CVCCCC.
00112 01011	03 CI18 PICTURE X(3).	<u>CM0</u> 00019
00113 ** 1002 00114 10021	02 C12. 03 C12A PICTURE XX.	
00114 10721 00115 10022	O3 C12A PICTURE XX. O3 C12B PICTURE XX.	
00116 10023	03 C12C PICTURE XX.	
30117 01101 FD	· · · · · · · · · · · · · · · · · · ·	CM000019
00118 01102	LABEL RECORDS ARE STANDARD	CM000019
00119 01103	RECORDING MODE IS F	CM000019
00120 01104	BLOCK CONTAINS 10 RECORDS	G
OC121 ** 1105	DATA RECORDS ARE I-CARD OPT-CARD.	
00127 11051 01		
00123 11052	02 OPT-CALDATE PICTURE 9(6).	
00124	C2 OPT-LISTC PICTURE X.	
00125	02 FILLER PICTURE X(72).	,
00126 ** 11054	C2 CK-OPTT PICTURE X.	
OC127 11054	88 CKPTT VALUE "D".	
00128 01106 01	I-CARD.	CM000019
00129 01107	02 II PICTURE X(9).	CM000019
00130 01108	02	CM000019
00131 01109	OZ I3 PICTURE X(18).	
00132 ** 1110	02 14.	
00133 11101	03 I4A PICTURE XX.	
00134 11102	03 I4B PICTURE X.	
00135 ** 11102	03 I4C PICTURE X.	
00136 11103	02 IAR REDEFINES I4.	
00137 11104	03 14AR PICTURE X.	
00139 11105 00139 11106	D3 14BR PICTURE XX.	
00139 11108		CM000019
00141 01112	02 I5 PICTURE X{9}.	CM000019
00141 01112 00142 C1113	03 I6A PICTURE X.	CM000019
00143 ** 1114	03 [6B PICTURE X(6).	5555 <u>27</u>
00144 01115	23 16C PICTURE X.	CM000019
00145 01116	03 I60 PICTURE X(3).	CM000019
00146 01117	23 16E PICTURE X.	CM000019
00147 01118	02 IGR REDEFINES 16.	CM000019
00148 01119	03 I I GRA PICTURE X.	CM000019
00149 01120	03 IGRB PICTURE X(7).	CM000019
00150 C1121	03 IGRC PICTURE X(3).	CM000019
00151 C1122	03 IGRO PICTURE X.	CM000019
00152 01123	02 17.	_ CM000019
00153 ** 1124	03 ITA PICTURE X.	CM000019
00154 1125	03 I78 PICTURE X.	CM000019
00155 1126	03 ITC PICTURE X.	CM000019
00156 1127	03 17D PICTURE X.	CM000019
CO157 1128	03 ITE PICTURE X.	CM000019
00158 1129	02 ITR REDEFINES IT.	CM000019
00159 1130 00160 1131	C3 I7AR PICTURE XX. O3 I7BR PICTURE XX.	CM000019 CM000019
		CM000019
00161 1132 00162 1133		CM000019
00162 1133	O2 I7RR REDEFINES I7R. O3 I7ARR PICTURE X.	CM000019
00165 1134	O3 178RR PICTURE XXX.	CM000019
00165 1136	03 17CRR PICTURE X.	CM000019
00166 01206	02 I8.	CM000019
00157 ** 1207	03 18A PICTURE X.	CN000019
00168 1208	O3 I8B PICTURE X.	CM000019
	THE THE PROPERTY OF THE PROPER	,

00169	1209			03	1 8C	PICTURE X.	CM000019
00170	1210			03	180	PICTURE X.	CM000019
0171	1213			03	185	PICTURE X.	CM000019
0172	1214		02		IBR	REDEFINES IB.	CM000019
00173	1215			.03	I BAR	PICTURE XX.	CM000019
0174	1216			03	IBBR	PICTURE XX.	CM000019
00175	1217			03	1 BCR	PICTURE X.	CM000019
00176	1218 1219		02	03	IBRR Ibarr	REDEFINES (BR.	CM000019 CM000019
00177 00178	1220			03	[BBRR	PICTURE XXX.	CM000019
00179	1220			03	IBCRR	PICTURE X.	CM000019
00180	1222		02	03	19.	FIGURE XI	CM000019
00181	1223		UZ.	03	19A	PICTURE X.	CM000019
00182	1224			03	198	PICTURE X.	CM000019
00183	1225			03	L9C	PICTURE X.	CM000019
00184	1226			03	[90	PICTURE X.	CM000019
00185	1227			03	198	PICTURE X.	C4000019
98100	1228		02		[9R	REDEFINES 19.	C*003019
00187	1229		150	03	19AR	PICTURE XX.	CM000019
00188	1230			03	19BR	PICTURE XX.	CM000019
00189	1231			03	I 9CR	PICTURE X.	CM000019
06100	1232		02		I 9RR	REDEFINES 19R.	CM000019
00191	1233			03	I 9ARR	PICTURE X.	CM000019
0192	1234			03	19BRR	PICTURE XXX.	CM000019
00193	1235			03	19CRR	PICTURE X.	CM000019
00194	1236		02		110.	77	CM000019
00195	1237			03	TIOA	PICTURE X.	CM000019
96100	1238			03	1108	PICTURE X.	CM000019
00197	1239			03		PICTURE X.	CM000019
00198	1240			03	110D	PICTURE X.	CM000019
00199	1241		~ ~ -	03	110E	PICTURE X.	CM000019
00200	1 242 1 243		02	0.3	IIOR IIOAR	REDEFINES 110. PICTURE XX.	CM000019 CM000019
00201 00202	1244			03	ILOBR	PICTURE XX.	CM000019
00202	1245			03	110CR	PICTURE X.	CM000019
00204	1246		02		Ilora	REDEFINES IIOR.	CM000019
00205	1247		-	03	IIOARR	PICTURE X.	CM000019
00206	1248	-		- 03 -	I10BRR	PICTURE XXX.	CM000019
00207	1249			03	ILOCRE	PICTURE X.	CM000019
00208	1250	-	02		111	PICTURE XX.	CM000019
00209	1251		02		112	PICTURE X(4).	CM000019
00210	1252		02		[13	PICTURE X.	CM000019
00211	01301	FD	PRT	-A		RECORD CONTAINS 133 CHARACTERS	CM000019
0212	01302					LABEL RECORDS ARE STANDARD	CM000019
00213	01303		_			RECORDING MODE_IS F	CM000019
00214	01304				-	BLOCK CONTAINS 1 RECORDS	- 111
00215	01305				<u> </u>	DATA RECORD IS PAT-PRT.	CM000019
00216	01306	01		-PRT			CM000019
00217	01307			FIL	LER	PICTURE X(133).	C4000019
00218	01308	FD	PRT	-8		RECORD CONTAINS 133 CHARACTERS	C4000019
00219	0[309					LABEL RECORDS ARE STANDARD	CM0000[9
00220	01310					RECORDING MODE IS F	CM000019
15200	01311					BLOCK CONTAINS 1 RECORDS	
00222	01312			20		DATA RECORD IS HK-PRT.	CM000019
00223	01313	01		PRT.			CM030019
00224	01314		02	FIL	LFR	PICTURE X(133).	CM000019

-CM000019

CM000019

CMDODO19

CM000019

CM000019

CM000019

CM000019

CMODDO19

CM000019

00226 01316 LABEL RECOROS ARE STANDARD CM000019 RECORDING MODE IS F BLOCK CONTAINS 12 RECORDS CM000019 00227 01317 00228 00229 01319 OATA' RECORD IS PRT-REC. 00230 ** 1320 01 PRT-REC PICTURE X(133). RECORO 133 BLOCK 1 RECORDS 00231 ** FD NPATCHI RECORDING F 46 47 ABEL RECORDS STANOARD DATA RECORD NPATI. 00232 00233 48 01 NPATI PICTURE X(133). RECORDING F BLOCK 1 RECORDS RECORD 133
LABEL RECORDS STANDARD DATA RECORD NOOKI. 00234 NHOOKI 49 FO 00235 50 X(133). 00236 NOOK I PICTURE 00237 FO B-UPTAPE RECORDING F BLOCK 1 RECORDS RECORD 80 LABEL RECORDS STANDARD DATA RECORD B-UPTAPER. 00238 8-UPTAPER PICTURE X(80).

RECORDING F BLOCK 1 RECORDS RECORD 80

LABEL RECORDS STANDARO OATA RECORD C-UPTAPER. 00239 01 00240 C-UPTAPE FO 00241 PICTURE X1801. 00242 C-UPTAPER 01401 CM000019 00243 WORKING-STORAGE SECTION. 77 P-CNT PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
C-SUB PICTURE S9999 COMPUTATIONAL-3 VALUE O.
77 OC-SUB PICTURE S999 COMPUTATIONAL-3 VALUE ZERO.
77 OB-SUB PICTURE 9999 COMPUTATIONAL-3 VALUE ZERO. CM000019 00244 01402 014030 77 ** 14031 CM000019 00246 00247 14032 PICTURE S999 COMPUTATIONAL-3 VALUE 0.
-1 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
-2 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO. 00248 1404 B-SUB CSW-1 CM000019 00249 01405 CM000019 00250 01406 CSW-2 PICTURE X VALUE SPACE.
PICTURE S99 COMPUTATIONAL-3 VALUE ZERO. CM000019 C-SH 00251 01407 77 CM000019 00252 **01408** FL IP-SW PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
PICTURE XXX VALUE SPACE.
PICTURE XXX VALUE SPACE. 1409 S-ST1 00254 1410 S-ST2 77 00255 1411 77 S-ST3 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
PICTURE XX VALUE SPACE. 1412 STA-SW 00256 77 ST-1 00257 1413 PICTURE X(4) VALUE SPACE 0025B 1414 ST-2 00259 ** 1414 ST-3 PICTURE XX VALUE SPACE. PICTURE XXX VALUE SPACE. 00260 1416 ST-4 1417 ST-5 PICTURE X VALUE SPACE. 00261 VALUE SPACE. ST-6 00262 1418 PICTURE X 77 ST-7 PICTURE X(5) VALUE SPACE.
APT-SUB PICTURE S99 COMPUTATIONAL-3 VALUE ZERO. 00263 1419 77 00264 1420 77 1421 77 SCA-SW PICTURE S9 COMPUTATIONAL-3 VALUE ZERO. 00265 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
PICTURE XXX VALUE SPACE. PB-SW2 00266 01422 CM000019 00267 01423 CM000019 77 B-ST PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
PICTURE S9 COMPUTATIONAL-3 VALUE ZERO. CM000019 00268 01424 77 D-SW1 00269 01425 77 CM000019 00270 01501 D-SW4 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO. CM000019 00271 01502 R-ST PICTURE XXX VALUE SPACE. CM000019 IFCL IST 00272 PICTURE

PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.

PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
PICTURE S99 COMPUTATIONAL-3 VALUE ZERO.
PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.

PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.

PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.

PICTURE S99 COMPUTATIONAL-3 VALUE ZERO.

BSW-2 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO. PAT-SUB PICTURE S99 COMPUTATIONAL-3 VALUE ZERO.

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00273

00274

00275

00276

00277

00280

00281

00282

00278 ** 1526 00279 1527

01503

01513

01516

01519

01524

1528

152 B

1531

PL-CK

77

77

77 77

77

77

THRU-SW

LN-CTR

HK-SUB

AL-SUB BSW-1

N-SUB

CPRTI

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77 SQ-SUB PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
77 Q-SW3 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
           1534
                                                                                                 CM000019
 00283
                       77 0-SW3
77 SQUID-
           1536
 00294
                       77 SQUID-COUNT PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
R-TOT PICTURE S9999 COMPUTATIONAL-3 VALUE O.
77 ITFM-NO PICTURE X(4).
 00285
            1536
 30286
         01539C 77
 00287 ** 1540
                        77 Z-TOT PICTURE S999 COMPUTATIONAL-3 VALUE ZERO.
77 PB-SW1 PICTURE S9 COMPUTATIONAL-3 VALUE ZERO.
 88500
            1541
                                                                                                 CM000019
           1542
 00289
                                   PICTURE 99 COMPUTATIONAL-3 VALUE O.
 00290
          015430 77
                       HK-CTR
                                 PICTURE 9 COMPUTATIONAL-3 VALUE O.
PICTURE 9 COMPUTATIONAL-3 VALUE O.
        ** 1544
                        17-SWT
 19500
                   77
 00292
          015450
                  77
                       M-SW1
                                 PICTURE 9 COMPUTATIONAL-3 VALUE 0.
PICTURE 9 COMPUTATIONAL-3 VALUE 0.
PICTURE 99 VALUE 0.
 00293
          015470 77
                        4-SW2
 30294
          015500 77
                        4-SW3
 00295 ** 15510 77
                       SUB36
                                                  COMPUTATIONAL-3 VALUE O.
 00296 **
                                 PICTURE 99
                                                                                                  CM000020
              20
                   77
                        A-CT
                                            99
 20297
                                 PICTURE 39
                                                  COMPUTATIONAL-3 VALUE O.
                                                                                                  CM000020
                   77
                        B-CT
                        TSTCELL
20298
                   77
                                 PICTURE 99 COMPUT
PICTURE 9 VALUE 0.
                                                 COMPUTATIONAL-3 VALUE O.
                                                                                                  CM000020
 20299
              22
                   77
                        C-CT
00300
                   77
                       CF-SH
                       CNG-PZ7.
 00301
                   01
                        OZ PZM.
 00302
                                           PICTURE X.
 00303
                                 PZ2
 00304
                             03
                                PZ3
                                           PICTURE X.
 00305
                            03
 00306
                            03
                                 P7.4
                                           PICTURE
                                                     х.
 00307
           2134
                           PZMP.
 20308
                            03 PZMP1
                                            PICTURE X.
 00309
                                 PZMP2
                                            PICTURE
                                            PICTURE X.
                                PZMP3
 00310
                            03
                                            PICTURE X.
                            93
 00311
                                PZMP4
 00312
                   01
                       M-STORES.
 00313
                       СZ
                            M-1ST.
                            03 M-ST1
                                           PICTURE XXXX.
00314
00315
                                 M-ST1B
                                           PICTURE
00316
                       02
                            M-2ST.
 00317
                            73 M-ST2
                                           PICTURE XXXX.
                                          PICTURF
 00319
                            03
                                 M-ST2B
 00319
                       02
                            M-3ST.
                            03 M-ST3
                                           PICTURE XXXX.
 00320
00321
                                           PICTURE
                            03
                                 M-ST3B
                                                      Х.
00322
                       02
                            M-4ST.
 00323
                            03 M-ST4
                                           PICTURE
                                                      xxxx.
                                           PICTURE X.
 20324
                            Q3 M-ST4B
                            M-SST.
 00325
                            03 M-ST5
                                           PICTURE XXXX.
00326
                                 M-ST5B
 20327
                                           PICTURE
20328
                            M-6ST.
                            03 M-ST6
03 M-ST68
 00329
                                           PICTURE XXXX.
 00330
                                          PICTURE
                                                     Х.
 20331 ** 1608
                   01
                       D-CALDATE.
                                      PICTURE XX.
00332
            1609
                       02 0-080
                       <u>02</u>.
                                      PICTURE XX.
00333
            1610
                            D-C DY
00334
            1611
                           ∩-CYR
 C2335
          01513
                   01
                       AERR.
                                                                                                  CM000019
 00336 **
           1614
                        OZ AEF
                                      PICTURE X VALUE '0'.
                                                                                                  CM000019
                                      PICTURE X(7) VALUE 'I-CARD '.
PICTURE X(9) VALUE SPACE.
 C0337
          71514
                       02
                           FILLFR
                                                                                                  CM000019
 22339
          01515
                       0.2
                                                                                                  CM000019
                            AΕΔ
                            FILLER
                                      PICTURE X(19) VALUE ' INSTR ASSIGNED TO '.
                                                                                                 CM000019
 20333
          01516
                       0.2
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00349 01617	C2 AFB	PICTURE X(9) VALUE SPACE.	CM000019
00341 ** 1618	12 FILLER	R PICTURE X(88).	CM000019
00342 01619 01	RERR.		CM000019
00343 01620	02 BFE	PICTURE X VALUE 'O'.	CM000019
01621 n	G2 FILLER		CM000019
10345 ** 1622	C? BEA	PICTURE 9[3].	
00346 C1623	02 FILLER		CM000019
70347 01624	C2 BEB	PICTURE X(9) VALUE SPACE.	CM000019
30348 ** 1625		PICTURE XI1021.	CM000019
00349 01701 01		8	. CM000019
20350 01702	02 CEF	PICTURE X VALUE '0'.	_ CM000019
00351 01703	C2 FILLER		CM000019
00352 01704	02 CEA	PICTURE XI9).	CM000019
00353 01705	02 FILLER		CM000019
01706	C2 CEB	PICTURE 913).	CM000019_
00355 ** 1707	C2 FILLER	PICTURE X(104).	CM000019
00356 1708 01	PATTAB. OZ APT1	PICTURE X(4) OCCURS 96 TIMES.	CM000019
00357 1709			CM000014
30358 1710	C2 APTIA	PICTURE 9 OCCURS 96 TIMES.	•
00359 1711	G2 APT2	PICTURE X(9) OCCURS 96 TIMES.	
00360 .1712	C2 APT3	PICTURE X(7) OCCURS 96 TIMES. PICTURE X(9) OCCURS 96 TIMES.	CM000019
CO361 1713 QO362 ** 1714	02 APTS	PICTURE 9 DCCURS 96 TIMES.	CH000019
00362 ** 1714		PICTURE 9 UCCURS 90 TIMES.	CM000019
00364 ** 1802	02 BT1	PICTURE X[4].	CM000019
		8T? PICTURE 9.	CM000019
00365 01803 00366 01804	02 92	BT3.	CM000019
20356 01805	03	BT3A PICTURE X.	CM000019
00368 01806	03	BT3B PICTURE X(3).	C4000019
20369 01927	03	BT3C PICTURE X.	CM000019
00370 01808	02	B3TR REDEFINES 8T3.	C4000019
00371 01979	63	B3TRA PICTURE XX.	CM000019
00372 01810	03	B3TRB PICTURE XX.	C4000019
20372 C1911		B3TRC PICTURE X.	C4000019
00374 019111		REDEFINES BATR.	CM000019
00374 313111		STRRA PICTURE XXXX.	CM000019
00376 019113		STARB PICTURE X.	CM000019
01317 01312	02	BT4 PICTURE X(24).	CM000019
00378 C1813	C2	BT5.	CM000019
00379 01814	03	BSTA PICTURE XX.	CM000019
00380 01815	03	BSTB PICTURE XX.	CM000019
20381 01816	C2	8T6.	CM000019
00382 01818	03	BT6B PICTURE X(3).	CM000019
00383 **01917	23	BT6A PICTURE X(6).	CM000019
00384 01819	02	8T7.	CM000019
00385 01820	02	BT7A PICTURE XX.	CM000019
00385 01921	03	ST7A1 PICTURE X.	CM000019
00387 01922	73	8T78 PICTURE X(3).	CM000019
00388 01923	วัร	BT7C PICTURE X.	CM000019
00389 01924	cs 22	BTTR REDEFINES BTT.	CM000019
00390 01825	93	BTTRA PICTURE X(3).	CM000019
00391 01901	63	ST7RB PICTURE X.	CM000019
00392 01902	23	BTTRC PICTURE X(3).	CM000019
00393 01903	C2	BT8.	CM000019
00394 01905	03	BT8B PICTURE X(3).	CM000019
00395 **01904	03	BTRA PICTURE X(6).	CM000019
00396 01906	G2 03	BT9.	CM000019
00370 01700	V2	VI 7*	C4000014

											
00397	01908		03	BT9B	PIC	TURE X	(3).				CM000019
	**01907		03	BT9A		TURE X					CM000019
00399	01909	02		BT10	PIC	TURE X	(9).				CM000019
00400	01910	C2		BT11	PIC	TURE X	•	-			CM000019
00401	02001 01	SQC	K-EN.								CM000019
00402	** 2002			PICTURE	X(4).				•		•
00403	20021	02	ALB5	PICTURE	9.					_	_
00404	** 20021	02	AIB6	REDEFINE					_	-	-
00405	** 20021		03 A14	6 PICT	URE X.						
00406	20022	02	FILLER	PICTURE	X(40).		•				
00407	02003	02	A135A	PICTURE	X						CM000019
00408	** 20031	02	A135B	PICTURE	X.						
00409	20032	02	A13R8	REDEF1 NE	S A135B	PICTU	RE 9.				CM000C19
00410	2004	02	FILLER	PICTURE	X(6).						CM000019
00411	2005	02	A155A	PICTURE	X.						
00412	20051	02	A155B	PICTURE	X.						CM000019
00413	20052	02_	AL SRB	REDEFINE	S A155B	PICTU	RE 9.				CM000019
00414	2008	02	FILLER	PICTURE	X(6).						CM000019
00415	2009	_02	ALB5A_	PICTURE							
00416	20091	02	A185B	PICTURE	X.						CM000019
00417	20092	02	ALBRB			PICTL	RE 9.				CM000019
00418	2010	02	FILLER	PICTURE	X(17).						
00419	2019 01	ALN	-TAB.								CM000019
00420	2020	02	ALN	PICTURE	X(80) 0	ICCURS	6 TIMES				
00421	02101 01	SQT							_		CM000019
	** 2102	02	QPRTA	PICTURE							CM000019
00423	2103	02	QPRTB	PICTURE							CM000019
00424	2104	02	QPRTC	PICTURE	X(5) OC	CURS &	TIMES.				CM000019
00425	21041			PICTURE	S9 COMP	UTATLO	NAL-3 C	CCURS 6	rimes.		CM000019 _
00426	21042	02	QPRTE	PICTURE	X(9) DC	CURS 6	TIMES.				CM000019
30427	21043		_QPRTF_	PICTURE	X(9) OC	CURS 6	TIMES.				
00428	02105 01		T-PRT.								CM000019
00429	021051		CCA	PICTURE							CM000019
	** 2106	02	FILLER	PICTURE			ACE.				CM000019
00431	2107	02_	FILLER	PICTURE	X VALUE	יני.					CM000019
20432	2108		FILLER	PICTURE	X(15) V	ALUE S	PACE.				CM000019
20433	2109		FILLER	PICTURE			FROM	TO'.			CW000013
00434	2110	02	FILLER	PICTURE							
00435	21101	02	FILLER	PICTURE X		LUE 'C			ROM_	TO	
00436	21102-	•			• •						
00437	2111 01		UT-PRT.						_		CM000019 _
00438	21111	02	CCAA	PICTURE					_		CM000019
00439	21112		FILLER					DEVIC	<u> </u>	PUIN'.	CM000019
00440	21113	02	FILLER	PICTURE				OINT'.			
00441	21114	02	FILLER	PICTURE			SPACE.	001116		50144	
00442	21115	02		PICTURE	X (56) V		TTEM C			POLNT	
00443	21116-		POINT	<u> </u>		<u> </u>		- -	_		
00444	02112 01		T-PRT.								CM000019
00445	02113		<u>CCB</u>	PICTURE	X VALUE						CM000019
	** 2114	02	PATI	PICTURE			-				CM000019
00447	2115	02	FILLER	PICTURE	AX VALU	E SPAC	E •				CM000019
00448	2116	02	PATIA		Z						CH00001C
00449	2117	02	FILLER PAT2	PICTURE	VAL VAL	. <u>ue 37/</u>	LE.			 ·	CM000019
30451	2118		FILLER	PICTURE	A 17/ .	-	CE			•	CM000019
30451	2119		PAT3	PICTURE	VAN VAL	.UE 3PA	<u>icc.</u>				CM000019
	2120	02				HE CDA	CE				CM000019
00453	2121	UZ	LILLEK	PICTURE	AAA VAL	uc 32,	LE C				GM000019

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00454
            2122
                         02
                                                                                                            CM000019
00455
            2123
                         02
                                       PICTURE XXXX VALUE SPACE.
PICTURE XX VALUE SPACE.
            21231
00456
                          02
                               TAP1
00457
                              FILLER PICTURE XX
            2124
                         02
00458
            2125
                               TAPLA PICTURE Z.
                              FILLER PICTURE XXX VALUE SPACE.

TAP2 PICTURE X(9).

FILLER PICTURE XXX VALUE SPACE.
00459
            2126
00460
            2127
                          02
00461
            2128
                          02
                              TAP3 PICTURE X(7).
FILLER PICTURE XXX
00462
            <u> 2129</u>
                         02
                                                           VALUE SPACE.
            2130
00463
                          02
                                        PICTURE X(9).
PICTURE X(9) VALUE SPACE.
            2131
00464
                               TAP4
                          02
       **
            2123
                             FILLER
00465
                                         PICTURE 99.
00466
            2133
                         02
                              PAT36
                                         PICTURE XXXX.
                             PZPAT
00467
            2134
                          02
0046B
           02201
                          COUT-PRT.
                                                                                                            CM000019
                                         PICTURE X VALUE 'O'.
00469
           02202
                         02 CCC
                                                                                                            CM000019
                                        PICTURE X(26) VALUE ' C '.CM000019
PICTURE X(26) VALUE ' TRAN TRAN '.CM000019
PICTURE X(26) VALUE 'CONNECTING WIRED UDC '.CM000019
PICTURE X(26) VALUE ' SIG. SIG. '.CM000019
PICTURE X(26) VALUE ' TYP CAB LOC ITEM C '.CM000019
00470
        ** 2203
                             FILLER
00471
            2204
                               FILLER
20472
            2205
                              FILLER
                                                                       SIG. SIG.
TYP CAB LOC
            2206
                          02
                              FILLER
00474
            2237
                              FILLER PICTURE X(26) VALUE .
20475
            2208
                         02
                                                                                                            CM000019
                                        00476
           02209
                         DOUT-PRT.
00477
           02210
                             CCD
                          02
00478 **
            2211
                              FILLER
00479
            2212
                          02 FILLER
                         02 FILLER PICTURE X(26) VALUE CE POINT S.C. CARD'. CM000019
02 FILLER PICTURE X(26) VALUE COND. COND. READOUT. CM000019
02 FILLER PICTURE X(26) VALUE NO. FAB SK. NO C CM000019
02 FILLER PICTURE X(26) VALUE NO. FAB SK. NO C CM000019
00480
            2213
20481
            2214
30482
            2215
00493
            22151
                          EDUT-PRT.
00484
           02216
                   01
                                         PICTURE X VALUE 'O'.
00485
                          02 CCE
           02217
                              P8T1 PICTURE X(9).
FILLER PICTURE X VALUE SPACE.
00486
           02219
                          02
00487 ** 2220
                         02
                               PBTIA PICTURE 9.
FILLER PICTURE X VALUE SPACE.
00488
            22201
00489
            22202
                              PBT2 PICTURE XII81.
FILLER PICTURE XXX VALUE SPACE.
00490
           02221
                         02
00491
           02222
                         02
                              PBT3 PICTURE X(4).
FILLER PICTURE XX VALUE SPACE.
00492
                          02
        ** 2224
20493
                         02
                              PBT4 PICTURE X(6).
FILLER PICTURE X(3) VALUE SPACE.
00494
          022250
                         02
00495 ** 2301
                         02
                                        PICTURE X(9).
PICTURE X VALUE SPACE.
00496
                               PBT5A
            2302
00497
                               FILLER
            23021
                         02
                                         PICTURE X(7).
            23023
00498
                               PBT5B
                         02
20499
                               FILLER PICTURE XX
                                                             VALUE SPACE.
            23024
                          02
                              PBT6 PICTURE X (51).
FILLER PICTURE X VALUE SPACE.
FILLER PICTURE X VALUE SPACE.
PBT7 PICTURE X VALUE SPACE.
00500
           2304
                         02
C2
00501 **
00502
            2305
                         02
                                         PICTURE X(4).

PICTURE XXX VALUE SPACE.

PICTURE X(5).
                               PBT7
00503
           023060
                         02
00504
        ** 2307
                          02
                               FILLER
                                                                                                            CM000019
          02308
00505
                               PBT8
                                                                                                            CM000019
                          02
                              FILLER PICTURE XXX VALUE SPACE.
PRIS PICTURE XISI.
00506 ** 2309
                                                                                                            CM000019
                          C2
20507
            2310
                         02
                         02 FILLER PICTURE XXX VALUE SPACE.
02 PBT10 PICTURE X(5).
00508
            2311
                                                                                                            CM000019
00509
           02312
                                                                                                            CM300019
00519
                               FILLER PICTURE X(4) VALUE SPACE.
           023130
                         02
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00511	02314	02	PBT11	PICTURE		-		
20512	02315	02	FILLER			UE SPACE.		
00513	02316	02	PBT12	PICTURE				
00514	02317	C2	FILLER			LUE SPACE.		
00515	02318	02	P8T13	PICTURE	xx			CM000019
00516	023190	02	FILLER	PICTURE	XX.	VALUE SPACE	•	
20517	** 2320	02	PBT14	PICTURE	X(4).			CM003019
20518	2321	02	FILLER	PICTURE	XX VAL	UE SPACE.		CM000019
00519	2322	02	PBT15	PICTURE				CM000019
00520	2323	02	FILLER	PICTURE	XXX AV	LUE SPACE.		CM000019
00521	02491 01	_ HK-						CM000019
00522	** 2402	02	PI PICT	TURE X(9	DCCUR	S 6 TIMES.		
00523	24021	02	PIA			RS 6 TIMES.	_	
00524	2433	02				RS 6 TIMES.	,	
00525	2404	. 02				S 6 TIMES.		
00526	2405	02				S 6 TIMES.		
30527	2406	02				S 6 TIMES.		
00528	24061	02				S 6 TIMES.		
00529	2407	02				S 6 TIMES.		CM000019
00530	2408	02				S 6 TIMES.		
00531	2409	02				S 6 TIMES.		
20532	2410	02	P 9			CCURS 6 TIMES	•	CM000C19
00533	2411	02				S 6 TIMES.		
20534	2412	02				CCURS 24.		
00535	2413	02				CCURS 24.		
00536	2414	92.	PL3 P(C)			S 6 TIMES.		
30537	2415	C2	P14_			CCURS 6 TIMES		CM300019
00538	2416	32	P15				OCCURS 6 TIMES.	
00539	2417	C2	P16	PICTURE	S9 C34	PUTAT (DNAL-3	OCCURS 6 TIMES.	CM000019
00540	02501 01		T-PRT.					CM000019
00541	02502	C2	CCF	PICTURE				CM300019
00547	02503	02	FILLER			VALUE SPACE.		CM000019
20543	02504	72	FILLER				INFORMATION DATA	.CH000019
30544	02505	02	FILLER	PICTURE	X (53)	VALUE SPACE.		CM000019
30545	02506 CI		T-PRT.	LIBERT LEGIC				C4000019
00546	72507	02	CCG	PICTURE			•	C4000019
	** 2508	02	FILLER	PICTURE	X(33)	VALUE '	PATCHING - P81	
00548	025081-	•	•	2002				
00549	025082	02	FILLER	PICTURE		VALUE SPACE		
00550	225083	G 2	FILLER	PICTURE	X(31)	VALUE '	PATCHING - PB2	
	** 25084-	•	•	500				
00552	25090	02	FILLER	PICTURE	X (2 2)	VALUE SPACE	•	
00553	2510 01		EMP.					CM000C19
00554	25101	C2	u-r	PICTURE				
00555	2512A	<u> </u>	IA	PICTURE				
00555		C Z	0-2	PICTURE				CM200019
20557	25103	02	FILLER	PICTURE				CM000019
00558	25104	22	FILLER	PICTURE	X(65)	VALUE SPACE.		_=
00559	25105 01		TEMP.					CM000019
20550	25106	02	B7-1	PICTURE				
	** 2510A	02	80-1A	PICTURE				- 'eugaricatio
00562	25107	02	BO-2	PICTURE				C4000019
20563	25108	02	FILLER	PICTURE				C4000019
30564	25109	92		PICTURE	スしのうり	VALUE SPACE.		CM000019
00565	2517 01		EMP.	CTUCT :				CM000019
00566		ĆΣ	41 PI		((4).	CTUDE O		C#000010
00567	00210	02		AIB	71	CTURE 9.	•	CM000D19

		10		
00558 ** 2101	0.2	AIR	REDEFINES ALB.	
00569 2102	03	ALBR	PICTURE X.	CH000010
00570 00211	<u>C2</u>		A2 PICTURE X(7).	CM000019 CM000019
00571 00212	22		A3 PICTURE X.	CM000019
00572 00213	02	02 44	A4.	CM000019
00573 ** 214 90574 215		03 A4		CM000019
				CM000019_
00575 '0^2151 00576 ** 216	0.2	03 A4		CM000019
00577 217	JZ	03 A4		CM000019
00578 218		03 A4		CM000019
00579 007181		C3 A4		011000027
005B0 ** 219	0.2	A4		CM000019
00581 220			ARR PICTURE XX.	CH000019
00582 2201			BRR PICTURE X.	CM000019
00583 2202			CRR PICTURE X.	CM000019
00584 CC2203			DRR PICTURE X.	
00585 00221	02	C3 H4	A5.	CM000019
00586 `90222	O.	03	A5A PICTURE X.	CM000019
00587 00223		33	A5B PICTURE XI31.	CM000019
20588 20224		03	ASC PICTURE X.	CM000019
90589 90225	CZ		ASR REDFFINES AS.	CM000019
00590 ** 301		03	ASAR PICTURE XX.	CM000019
00591 302		03	ASBR PICTURE XX.	CM000019
00592 303		03 .	ASCR PICTURE X.	CM000019
00593 00304	02		A6 PICTURE X.	CM000019
00594 00305	02		A7.	CM000019
00595 00306		03	A7A PICTURE X.	CM000019
00596 00307		03	A7B PICTURE X(31.	CM000019
00597 00308		03	A7C PICTURE X.	CM000019
00598 00309	CZ		ATR REDFFINES AT.	CM000019
00599 ** 310		03	ATAR PICTURE XX.	CM000019
00500 311		_ ევ	A7BR PICTURE XX.	CM000019
00601 312		03	ATCR PICTURE X.	CM000019
oceus, oc313	ÜΣ		A8.	CM000019
00603 00314		03	ABA PICTURE X.	CM000019
00604 00315		03	A9B PICTURE X(3).	CM000019
00605 00316		23	ABC PICTURE X.	CM0C0019
00506 00317	C2		ABK RECEFINES A8.	CM000019
00507 ** 317		03	ABAR PICTURE XX.	CM000019
00608 318		23	ASBR PICTURE XX.	CM000019
00509 319		03	ABCR - PICTURE X.	CM000019
00610 00321	02		A9 PICTURE X.	CM000019
00611 00322	02	<u>.</u>	A10.	CM000019
00612 00323 00613 00324		03	A1CB PICTURE X. A1CB PICTURE XI31.	CM000019
00613 00324 00614 00325		_	A10B PICTURE XI3). A10C PICTURE X.	CM000019
00615 00461	02	03	AICR REDEFINES AIO.	CM000019 CM000C19
00615 00401	UZ	23	Alcar Picture XX.	CM0C0019
00617 4012		03	A1CBR PICTURE XX.	CM000019
00618 4013		03	AICCR PICTURE X.	CM000019
00619 00402	02		All PICTURE X.	CM000019
00620 00403	02		Al2.	CM000019
30621 ** 404		03 A1	· ·	CM000019
00622 ** 05		03 A1		CM000019
00623 06	02	Al		CM000019
00624 07		-	2AP DICTIDE Y	CM000019
			FICTOR A.	

00625	08		03	ALZBR PICTURE XXX.		CM000019
00626	409	02		ALZRR REDEFINES ALZ	Ř.	CM000019
00627	4091		03	ALZARR PICTURE XX.		CM000019
00628	4092		03	A12BRR PICTURE X.		CM000019
00629	4093		.03			_CM000019
00630	00410	02		A13.		CM00C019
00631	00411		03	A13A		CM000019
00632	00412				RE X.	CM000019
00633	00413			04 A13D PICTU	RE X.	CM000019
00634	00414		03	A138.	TEI	CM000019
00635	00415				RE X	_ CM000019
00636	00416			04 A13F PICTU	RE X.	C4000019
00637		02	03	Al4.		
00638 30639	418		03	A14A PICTURE XX. A14B PICTURE XX.		
00640	419 4191	02	<u> </u>	A14R REDEFINES A14		CK003019
30641	4192	UZ.	03	A14AR PICTURE X.	•	CM000019
00642	4193		03	A148R PICTURE XXX.		CM000019
00643	4194	02	0,5	A14RR REDEFINES A14	0 .	CMC00019
00644	4195		03	A14ARR PICTURE XX.	<u></u>	CM000019
00645	4196		03	ALABRE PICTURE X.		CM300019
00646	4197		03	A14CRR PICTURE X.		CM000019
00647	00420	02		A15.		CM000019
0C648	00421		03	A15A.	· · · · · · · · · · · · · · · · · · ·	'CM000019
00649	00422				RE X.	CM000019
00650	00423		•	04 A15D PICTU	RE X.	CM020019
00651	00502	0.2		A16.		CM000019
00652	00506		03	A168.		C 0000019
00653	00507			04 A16E PICTU	RE X.	CM000019
00654	00508				RE X.	CM000019
_0 <u>0655</u> _	0 <u>050</u> 9	02		A17.	·	C#000019
00656	00510		03		IRE XX.	CM000019
00657	^^=		03	A17B PICTU	IRE XX.	
AA/EA	00511		<u> U 3</u>			CM000019
00658	** 5111	02		A17R REDEFINES A17		CM000019
00659	** 5111 5112	02	03	A17R REDEFINES A17 A17AR PICTURE X.		CM000014
00659	** 5111 5112 5113	—		A17R REDEFINES A17 A17AR PICTURE X. A178R PICTURE XXX.		CM000019
00659 00660 00661	** 5111 5112 5113 5114	_ 02 _ 02	03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17RR REDEFINES A17		
00659 00660 00661 00662	** 5111 5112 5113 5114 5115	—	03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17RR REDEFINES A17 A17ARR PICTURE XX.		
00659 00660 00661 00662 00663	** 5111 5112 5113 5114 5115 5116	—	03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17RR REDEFINES A17 A17AR PICTURE XX. A17BR PICTURE X.		CM300014
00659 00660 00661 00662 00663	** 5111 5112 5113 5114 5115 5116 5117	02	03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17CRR PICTURE X.		
00659 00660 00661 00662 00663 00664	** 5111 5112 5113 5114 5115 5116 5117 00512	—	03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17CRR PICTURE X. A17CRR PICTURE X. A18.		CM000019
00659 00660 00661 00662 00663 00664 00665	** 5111 5112 5113 5114 5115 5116 5117 00512 00513	02	03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17RR REDEFINES A17 A17ARR PICTURE X. A17BR PICTURE X. A17CR PICTURE X. A18. A18A.	'R	CM000019
00659 00660 00661 00662 00663 00664 00665 00666	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514	02	03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17BRR PICTURE X. A17CRR PICTURE X. A18A. O4 A18C PICTU	'R	CM000019 CM000019 CM000019
00659 00660 00661 00662 00653 00664 00665 00666 00667	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514	02	03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17BRR PICTURE X. A17CRR PICTURE X. A18. O4 A18C PICTU	'R	CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00662 00663 00664 00665 006667 00668	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516	02	03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17BR REDEFINES A17 A17ARR PICTURE XX. A17BR PICTURE XX. A17BR PICTURE X. A17BR PICTURE X. A18A. A18A. O4 A18C PICTURE A18B.	r	CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00662 00663 00664 00665 00666 00667 00669	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516	02	03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17BR REDEFINES A17 A17ARR PICTURE XX. A17BR PICTURE XX. A17BR PICTURE X. A18A. A18A. O4 A18C PICTURE X. A18B. O4 A18C PICTURE X. A18B. O4 A18C PICTURE X.	RE X. IRE X.	CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00662 00663 00664 00665 006667 00668	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516	02	03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17BR PICTURE X. A17CR PICTURE X. A18A. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B.	r	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00663 00664 00665 006667 00669 00670 00671	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517	02	03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17BRR PICTURE X. A17CRR PICTURE X. A18C. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B.	RE X. IRE X. IRE X.	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00662 00664 00665 00666 00667 00668 00667 00670	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517	02	03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17BR PICTURE X. A17CR PICTURE X. A18A. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B. O4 A18C PICTURE A18B.	IRE X.	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00662 00663 00664 00665 00666 00666 00669 00670 00671 00672	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517 00519 ** 520	02	03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17BR REDEFINES A17 A17AR PICTURE XX. A17BR PICTURE X. A17BR PICTURE X. A17BR PICTURE X. A18BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RE X. RE X. RE X. RE X.	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00663 00664 00665 00666 00666 00669 00670 00671 00673 00674	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517 00518 00519 ** 520 521	02	03 03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17RR REDEFINES A17 A17ARR PICTURE XX. A17BR PICTURE XX. A17BR PICTURE X. A17BR PICTURE X. A18BA. O4 A18C PICTURE X. A19B PICTURE X. A19A PICTURE X.	RE X. IRE X. IRE X. IRE X.	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00662 00665 00665 00666 00667 00670 00671 00672 00674 00675	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517 00518 00519 ** 520 521 522	02	03 03 03 03 03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17BR REDEFINES A17 A17AR PICTURE XX. A17BRR PICTURE X. A17BRR PICTURE X. A17BRR PICTURE X. A18BA. O4 A18C PICTURE X. A18BA. O4 A18C PICTURE X. A18BA. O4 A18C PICTURE X. A19B PICTURE X. A19A PICTURE X. A19A PICTURE X. A19A PICTURE X. A19R REDEFINES X.	RE X. RE X. RE X. RE X. A19.	CM000019
00659 00660 00661 00662 00663 00664 00665 00666 00669 00670 00671 00673 00674 00675 00676	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517 00518 00519 ** 520 521 522 523 524 525	02	03 03 03 03 03 03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17BR PICTURE XX. A17AR REDEFINES A17 A17AR PICTURE X. A17BR PICTURE X. A17BR PICTURE X. A17BR PICTURE X. A18BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RE X. IRE X. IRE X. IRE X. IRE X. IRE X. IRE X.	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019
00659 00660 00661 00662 00663 00664 00665 00666 00669 00670 00671 00672 00674 00675 00676 00676	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517 00518 00519 ** 520 521 522 523 524 525	02	03 03 03 03 03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XXX. A17BR REDEFINES A17 A17ARR REDEFINES A17 A17ARR PICTURE X. A17BR PICTURE X. A17CR PICTURE X. A18A. O4 A18C PICTURE X. A18B. O4 A18C PICTURE X. A18B. O4 A18E PICTURE X. A19A PICTURE X. A19B PICTURE X. A19B PICTURE X. A19B PICTURE X. A19B PICTURE X. A19BR PICTURE X. A19BR PICTURE X. A19BR PICTURE X. A19BR PICTURE X.	RE X. IRE X. IRE X. IRE X. IRE X. IRE X. IRE X.	CM000019
00659 00660 00661 00662 00663 00664 00665 00666 00669 00670 00671 00673 00674 00675 00676	** 5111 5112 5113 5114 5115 5116 5117 00512 00513 00514 00515 00516 00517 00518 00519 ** 520 521 522 523 524 525	02	03 03 03 03 03 03 03 03 03 03 03	A17R REDEFINES A17 A17AR PICTURE X. A17BR PICTURE XX. A17BR PICTURE XX. A17AR REDEFINES A17 A17AR PICTURE X. A17BR PICTURE X. A17BR PICTURE X. A17BR PICTURE X. A18BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RE X. IRE X. IRE X. IRE X. IRE X. IRE X. IRE X.	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019 CM000019

00682	6021	03 A208 PICTURE XX.	CM000019
20683	6022	02 AZOR REOFFINES AZO.	CH000019
00684	6023	03 AZOAR PICTURE X.	CM000019
20685	6024	03 A20BR PICTURE XXX.	CM000019
00686	6025	O2 A2ORR REOEFINES A2OR.	CM000019
00687	6026	03 A20ARR PICTURE XX.	CM300019
00688	6027	O3 A20BRR PICTURE X.	CM000019
00689	633	03 AZOCRR PICTURE X.	CM000019
00690	<u>608</u>	02 A21 PICTURE X(4).	
00691	609	C2 A22 PICTURE XX.	
00692 **	01 01	<u>AB-HD.</u>	CM000020
00693	202	02 A88 PICTURE X VALUE '0'.	CM000020
00694	203	02 FILLER PICTURE X(26) VALUE C	. CM000020
00695	204	OZ FILLER PICTURE X(26) VALUE ' TYPE	. CM000020
00696	205	OZ FILLER PICTURE X(26) VALUE ' FROM	02000CH3.1
30697	206	02 FILLER PICTURE X(26) VALUE ' TO	US . CM000020
30698	207	OZ FILLER PICTURE X(26) VALUE 'EO FOR TEST	'.CM200220
00699	208	02 FILLER PICTURE XX VALUE SPACE.	CM000020
00700	2081 OL	ABB-HD	CM000020
00701	2082 2083		CM000020 CM000020
00702	2084	C2 FILLER PICTURE X(26) VALUE 'CARD C IOEN. OESCRI O2 FILLER PICTURE X(26) VALUE 'ON COOE	D'.CM000020
00704	2085	OZ FILLER PICTURE X(26) VALUE 'EVICE DEVICE PT	OE . CM000020
00705	2086	OZ FILLER PICTURE X(26) VALUE VICE DEVICE PT	PA'-CMOCOCOZO
00706	2087	02 FILLER PICTURE X(26) VALUE 'RAMETER CELL	.CM000020
20707	2088	OZ FILLER PICTURE XX VALUE SPACE.	CN000020
00708 **	208A 01	AB88-HO.	CM000020
00709	2088	OZ FILLER PICTURE X VALUE "I".	CM000020
00710	208C	02 FILLER PICTURE X(63) VALUE SPACE.	CH000020
00711	208D	02 FILLER PICTURE X(6) VALUE 'B-FILE'.	CM000020
00712	208F	02 FILLER PICTURE X163) VALUE SPACE.	CM000020
00713 **	39 31	88-HD.	CM000020
00714	10	02 BBB PICTURE X VALUE 101.	CM000020
20715	12	02 BIH PICTURE X(4).	C*000020
00716	_213	02 FILLER PICTURE XX VALUE SPACE.	C¥000C20
00717 **	14	02 B2H PICTURE X.	lefters.01
00718	215	02 FILLER PICTURE XX VALUE SPACE.	CM00002 <u>0</u>
CO719 **	16	02 83H PICTURE X(5).	CM000020
00720	17	02 FILLER PICTURE X(3) VALUE SPACE.	CM0C0020
20721	18	02 84H PICTURE X(24).	CM000020
30722 **	15	OZ' FILLER PICTURE X(3) VALUE SPACE.	C4000020
00723	20	02 85H PICTURE X(4).	CM000020
00724 **	13	02 FILLER PICTURE X(3) VALUE SPACE.	CM700020
00725	22	02 B6H PICTURE X(9).	CM000020
00726	219	02 FILLER PICTURE X(3) VALUE SPACE.	<u>CM000020</u>
00727 **		02 87H PICTURE X(7). 02 FILLER PICTURE X(6) VALUE SPACE.	
30729 **	21		CM000020
00729 **	01 25	O2 88H PICTURE X(9). G2 FILLER PICTURE X(4) VALUE SPACE.	C4000020 CM000020
00731 **	63	02 B9H PICTURE X(7).	CM000020
00732	325	C2 FILLER PICTURE X16) VALUE SPACE.	CM000020
00733 **	05	C2 BICH PICTURE X(9).	CM0C0020
00734 **	24	02 FILLER PICTURE X(4) VALUE SPACE.	CMC00020
00735	67	02 Blih Picture X.	CM200320
00736	408	02 FILLER PICTURE X(16) VALUE SPACE.	CM000020
00737 **	17 C1	AA-HD.	CM000020
00738	118	G2 AAA PICTURE X VALUE 'O'.	CM000020

00739 _	119	02 FILLER	PICTURE X1261 VALUE TYP C TRANSDUCER I COMOODOO
00740	120	02 FILLER	PICTURE X151 VALUE "CABLE".
20741	121	02 FILLER	PICTURE X138) VALUE SPACECM000020_
20742	122	02 FILLER	PICTURE X(26) VALUE WIRED P.B. SIG. P.B. CM000020
00743	123	02 FILLER	P1CTURE X(26) VALUE 1 P.8. S1G. P.B. 1.CM000020
30744	124	02 FILLER	PICTURE X(11) VALUE ' REC. CAB '. CM000020
00745	132 01	AAA-HD.	CM000020
00746 **	125	D2 AAAA	PICTURE X VALUE 1 1. CM000020
00747	126	02 FILLER	PICTURE X126) VALUE 'NO. 'C TYPE C 1. CM000020
00748	127	02 FILLER	PICTURE X1261 VALUE 'TYPE SIGNAL ROUTING .
00749	128	_02 F1LLER	PICTURE X(26) VALUE . S.C
00750	129	02 FILLER	PICTURE X126) VALUE O 1 COND D I O 1 C'.CM000020
20751	_130	_ C2 FILLER	PICTURE X(26) VALUE 'OND D I JB ELEC FA' CM0 00020
20752	131	C2 FILLER	PICTURE XX VALUE 'B '. CM000020
00753	133 01 134	AAAA-HO.	PICTURE X VALUE 11.
00755	135	02 FILLER	PICTURE X1631 VALUE SPACE. CMD00020
00756	136	02 FILLER	PICTURE X16) VALUE 'A-FILE'. CM000020
30757	137	02 FILLER	PICTURE X(63) VALUE SPACE. CM000020
00758 **	ci oı	BA-HD.	CM000020
00759	011	02 BAA	PICTURE X VALUE '0'. CM000020
0076C		02 A1H	PICTURE X(4).
00761		02 FILLFR	PICTURE X VALUE SPACE.
00762	05	02 A18H	PICTURE X.
00763		02 FILLER	PICTURE XXX VALUE SPACE.
20764	07	02 42 H	PICTURF X(71. , CM000020
00765		02 FILLER	PICTURE X16) VALUE SPACE.
00766	C 9	02 A3H	PICTURE X. CM000020
00767		02 FILLER	PICTURE XXX VALUE SPACE.
00769 00769	11	C2 A4H C2 FILLER	PICTURE X(5). CM000020 PICTURE XX VALUE SPACE.
00789	13	C2 A5H	PICTURE XX VALUE SPACE. CM000020
C2771	15	C2 A6H	PICTURE X. CM000020
00772		02 A7H	PICTURE X(51. CM000020
00773	19	32 A9H	PICTURE X(5). CM000020
20774	Žĺ	02 A9H	PICTURE X. CM000020
20775	23	02 A10H	PICTURE X(51. CM000020
00776	25	02 AL1H	PICTURE X. CM000020
00777 **	24 L	02 FILLER	PICTURE X(14) VALUE SPACE.
00778		C2 FILLER	PICTURE XXX VALUE SPACE.
00779		02 A12H	PICTURE X(4).
06780		O2 FILLER	PICTURE XX VALUE SPACE.
00781		C2 AL3H	PICTURE_X1_4)
00782		C2 FILLER	PICTURE XX VALUE SPACE.
20783		02 A14H	PICTURE X(4).
00784		02 FILLER	PICTURE XX VALUE SPACE.
00785		02 A15H	PICTURE X(4). PICTURE XX VALUE SPACE.
20786		02 FILLER	
00787 00788		02 AlbH 02 Filler	PICTURE XX VALUE SPACE.
00789		02 FILLER	PICTURE X(4).
0C 79C		02 FILLER	PICTURE XX VALUE SPACE.
00791		02 A18H	PICTURE X(4).
00792		02 FILLER	PICTURE XX VALUE SPACE.
00793		02 A19H	PICTURE XISI.
20794		02 FILLER	PICTURE XX VALUE SPACE.
ე <u>ი 79</u> 5		CZ A20H	PICTURE X14).
• -			

00796		02 FILLER	PICTURE X VALUE SPACE.
00797		02 A21H	PICTURE X(4).
00798 **	01 01 502	AC-HD. O2 ACC	PICTURE X VALUE *0*. CM000020
00799	502 503	DZ FILLER	PICTURE X (26) VALUE TEST T-DUCER CM000020
00800	504	02 FILLER	PICTURE X(26) VALUE ' TEST T-DUCER '.CM000020 PICTURE X(26) VALUE ' B USED FOR '.CM000020
0C801 10802	505	02 FILLER	PICTURE X(26) VALUE B USED FOR CM000020
208C3	506	02 FILLER	PICTURE X(26) VALUE . R POS. RN NEG. R1.CM000020
00804	507	02 FILLER	PICTURE X(26) VALUE IN RE-CAL .CM000020
00805	508	02 FILLER	PICTURE XX VALUE SPACE. CM000020
00806	509 01		CM000020
00807	512	OZ ACCC	PICTURE X VALUE 1 1. CM000020
20808	511	02 FILLER	
00809	512	02 FILLER	
00810	513	C2 FILLER	PICTURE X(26) VALUE 'AN MFG. 1-NO. C CARD '.CM000020
20811	514	02 FILLER	PICTURE X126) VALUE 1 N EQUIV. EQUIV. CM000020
00812	515	02 FILLER	PICTURE XI26) VALUE " UNITS DATE ".CM000020
00813	516	02 FILLER	
00814	517 01	ACCC-HD.	CM000020
00815	518	C2 CCCC	PICTURE X VALUE 11. CM000020
00816	519	02 FILLER	
00817	520	02 FILLER	PICTURE X(6) VALUE 'C-FILE'. C4000020
OC818	521 .	02 FILLER	
00819 **	09 01	BC-HO.	CM000020
00820	10	02 3CC	PICTURE X VALUE "O". CM000020
OC821		02 FILLER	
00822		02 C1H	PICTURE X.
00923	•-	02 FILLER	PICTURE XX VALUE SPACE.
30,824	15	C2 FILLER	PICTURE X(3) VALUE SPACE. CM000020
00825	16	02 C3H 02 FILLER	PICTURE X(7). CM000020
00826			PICTURE XXX YALUE SPACE. PICTURE X(7). CM000020
00827	718 7181	02 C4AH 02 FILLER	
00828	7182	02 C48H	PICTURE X13). CM000020
00830	7183	C2 FILLER	
CO831	7184	02 C4CH	PICTURE X. CM000020
30832	719	C2 FILLER	
00833 **	20	02 C5H	PICTURE X(9). CM000020
00834	21	02 FILLER	
00835	722	02 C6H	PICTURE XI9). CM000020
00836	723	02 FILLER	
00837	7231	O2 C7AH	PICTURE X16). CM000020
30838	7232	02 FILLER	
00339	7233	02 C78H	PICTURE X. CM000020
00840 **	25	02 FILLER	PICTURE X(3) VALUE SPACE. CM000020
00841 **	01	02 C8H	PICTURE X(4). CM000020
00842	02	C2 FILLER	
00843	703	Q2 C98H	PICTURE X. CM000020
00844 **	04	D2 FILLER	
00845	725	02 C10AH	PICTURE X(9).
00846	7051	02 FILLER	
30847	706	C2 FILLER	
00848	707	C2 Clian	PICTURE X(9). PICTURE X VALUE SPACE. CM000020
00849 00850	7071 7072	02 FILLER 02 Cl18H	
	7072		
00851 00852	708 709	C2 FILLER 02 C12H	
00002	107	75 C15H	PICTURE X(6). CM990020

16		:	
00853	710_	02 FILLER PICTURE XX VALUE SPACE.	CM000020
00854		02 FILLER PICTURE X(8) VALUE SPACE.	
00855	02501	PROCEDURE DIVISION.	
00856		OPEN I-O B-FILE.	
00857		REAC B-FILE AT END GO TO IT-END.	
00858		MOVE B11 TO TSTCELL.	
00859	_	CLOSE B-FILE.	
00860	02502	OPEN INPUT I-FILE.	
00861	025030		
00862	025040		
00863		MOVE OPT-LISTS TO IFCLIST.	
00864	025050		
00865	025060	GO TO NO-OPTN.	
00866		OPT-RERUN.	
00867	025080		1
00868	025090		
00869	025100	READ NPATCHI AT END GO TO DRAU.	
00870	025110		
00871	025120		
00872	025130		
00873	025140		
00874	025150		
00875	025160		
00876 00877		ALLNHO.	
00878	025180	CLOSE NPATCHI NHOOKI.	
00879	0.521.40	MOVE OPT-CALDATE TO D-CALOATE.	
00880		MOVE '9999' TO M-ST1 H-ST2 M-ST3 M-ST4 M-ST5 M-ST6.	_
00881	02603	14 - 12 - 17	CM000019
00882	02604	A-OPEN. OPEN INPUT A-FILE.	CM000019
00883	02605	I-REAO.	CM000019
00884	** 2606	READ I-FILE AT END GD TO I-END.	<u></u>
00885		IREODN.	
00886	** 26061		
30887	02607	1919 197 17 91111 1111	CM000019
00888	** 2608	READ A-FILE AT ENO GO TO A-ENO.	0.100000
00889		A-ON. MOVE A-CARD TO A-TEMP.	
00890	2609	IF A1 NOT = I4 GD TO A-READ.	
00891	26091	IF ALBR NOT = SPACE GO TO CONT-ON.	
00892	26092		
00893		CONT ON MONE AND TO TURN ON	
00894	26094	MOVE A-CARD TO ALN (THRU-SW).	
00895	2610	MOVE A18 TO P-CNT. SUBTRACT 1 FROM P-CNT.	
00896	2611	PERFORM LINE-UP THRU LEX UNTIL P-CNT < 1.	
00897	26111	GO TO C-SET-UP.	CM000019
00898	2612	LINE-UP.	
00899	26121	PERFORM A-READ MOVE A-CARD TO ALM (P-CNT).	
00900	26122	SUBTRACT 1 FROM P-CNT.	
00901	2614	LEX. EXIT.	
00902	2615	C-SET-UP. MOVE A18 TO AL-SUB.	
00903	26151		CH000019
	** 26151	nere rene nere nere	
00905	2616	PERFORM CLEARK THRU HKAEXIT UNTIL Z-TOT > 5. GO TO CLEAPAT.	
00906	2617		
00907	26171		
00908	26172		
00909	** 26172	P8 (Z-TOT) P9 (Z-TOT)	
		1,500,700	

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P10 (Z-TOT) P11 (Z-TOT) P12 (Z-TOT) P13 (Z-TOT) P14 (Z-TOT)
00910
           26173
00911
                        MOVE ZERO TO PIA (Z-TOT).
           26174
                   HKAEXIT. EXIT.
00912
            261B
                   CLEAPAT. MOVE ZERO TO Z-TOT.
00913
           2619
00914
                        PERFORM BLEAPAT THRU PTREXA UNTIL Z-TOT > 5. GO TO XXA.
           2620
00915
           2621
                   BLEAPAT. ADD 1 TO Z-TOT. MOVE ZERO TO QPRTO (Z-TOT).
00916
           26211
                        MOVE ZERO TO QPRTB (Z-TOT).
                   PTREXA. EXIT.
00917
           2622
                   XXA. MOVE ZERO TO Z-TOT.

PERFORM XXB THRU XXC UNTIL Z-TOT > 95. GO TO C-OPEN.
00918
           2623
00919
           2624
                        ADD 1 TO Z-TOT. MOVE ZERO TO APTS (2-TOT).
MOVE SPACE TO APT1 (Z-TOT) APT2 (Z-TOT) APT3 (Z-TOT)
00920
           <u> 2625</u>
26252
00921
                        APT4 (Z-TOT).

MOVE ZERO TO APTIA (Z-TOT).
00922
           26253
00923 **
           26251
           2626
00924
                        EXIT.
                               OPEN I-O C-FILE.
00925
           2701
                   C-OPEN.
                        IF A2 = 'TC/CA
00926
          027021
                        DR AZ = TC/CC
00927
          027022
                        DR A2 = 'TC/IC '
DR A2 = 'EVENT-1'
          027023
0092B
00929 **027023
                            AZ = +BRK
00930 **027023
00931 **027023
                        OR A2 = 'WIRE
                        DR A2 = 'CONTCLD'
00932 ** 027023
00933
                        DR A2 = *USER
00934
                        DR AZ = 'TC/CHCN'
                        DR AZ = "C-SHUNT"
00935 **027023
                        DR A2 = 'TUBE 'OR A2 = 'V-LEADS'
00936
00937
          027024
00938 ** 27025
00939 27026
                       OR A2 = "SV-LEAD" ADO 1 TO HK-SUB
MOVE II TO P1 (HK-SUBI
MOVE I3 TO P2 (HK-SUB)
           27027
00940
                        AHD-OT MACTARA
00941
          027027
                        CLOSE C-FILE MOVE 1 TO CF-SW GO TO ASQ-LK.

IF 15 = SPACE AND 16 = SPACE NEXT SENTENCE
00942
          02702B
00943 **027011
                        ELSE GD TO C-READ.
00944
          027022
                  MOVE O TO CF-SW.

C-READ. READ C-FILE AT END GO TO C-END.
          027029
00945
00946 ** 2702
                        IF C9 NOT = 'O' GD TO C-READ.
IF A2 NOT = C3 GD TO C-READ.
00947
00948
           27030
00949
           27031
                        IF C5 NOT = SPACE GD TO C-READ.
          027031
                        IF C12 = SPACE GD TO C-READI.
00950
                        IF C12C < D-CYR GD TO C-READ.
          027032
00951
                        IF C12C > O-CYR GO TO C-READ1.
IF C12A < O-CMO GO TO C-READ.
00952 ** 27033
00953
           27034
00954
           27035
                        IF C12A > O-CMO GO TO C-READL
00955
           27036
                        IF C128 < O-CDY GO TO C-READ.
           27030 C-READ1.

27038 IF I6A = 'R' GO TO CBSGN.

2704 IF I6A = 'I' GO TO CCSGN. IF I6A NOT = SPACE MOVE 111 TO BEA CMO00019
00956
00957
0095B
00959
00960
           2705
                             II TO BEB PERFORM B-WRIT CLOSE C-FILE GO TO R-EXT.
00951
           2706
                   COSGN. IF 15 = SPACE GO TO C-TABLE. IF 15 NOT = C6 GO TO C-READ.
           2707
2708
                   GD TO C-TABLE.
CBSGN. IF C5 NOT * SPACE GO TO C-READ. IF 15 = SPACE GO TO CBRGN.CM000019
00962
00963
                        IF ISRB NOT = C4A OR IGRC NOT = C4B OR IGRD NOT = C4C GD TO CM000019
C-READ. IF 15 NOT = C6 GD TO C-READ. GD TO C-TABLE. CM000019
           2709
00954
00965
           2710
00966
                   CBRGN. IF IGRB NJT = C4A DR IGRC NOT = C4B DR IGRD NOT = C4C GD
                                                                                                     CM000019
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00967
                                                                                                                       CM000019
20968
00969
00970
                            GD TO C-TABLE.
00971
              2715
00972
            027151 TC-CHK.
                            IF A2 = 'TC/CC ' MOVE A2 TO P4 (HK-SUB).

IF A2 = 'TC/IC ' MOVE A2 TO P4 (HK-SUB).

(F A2 = 'TC/CA ' MOVE A2 TO P4 (HK-SUB).

IF A2 = 'BRK ' MOVE A2 TO P4 (HK-SUB).
00973
            927152
00974
            027153
00975
            027154
30976 **027154
                            IF A2 = 'BRK
                            IF A2 = 'WIRE ' MOVE A2 TO P4 (HK-SUB).
IF A2 = 'CONTCLO' MOVE A2 TO P4 (HK-SUB).
00977 **027154
00978 **027154
                            IF A2 = 'C-SHUNT' MOVE A2 TO P4 (HK-SUB).

IF A2 = 'USER ' MOVE A2 TO P4 (HK-SUB).

IF A2 = 'TC/CHCN' MOVE A2 TO P4 (HK-SUB).

IF A2 = 'EVENT-1' MOVE 'EVENT' TO P4 (HK-SUB).
00979 **027154
00980
00981
            027155
00982
00983 ** 2716 A-WRIT. DISPLAY '(-CARD ' AEA.

00984 27161 DISPLAY 'INSTR ASSISNED TO ' AEB.

00985 2717 B-WRIT. DISPLAY 'ERROR AT ' BEA.

00986 27171 DISPLAY 'ON (NPUT ' BEB.
                                 OISPLAY 'INST. N/A IN ' CEA.
OISPLAY ' AT ' CEB.
              2720
2721
                      C-WRIT.
00987
00988
              27211 EJECT-A. WRITE HK-PRT FROM COUT-PRT AFTER CCC.
27212 WRITE HK-PRT FROM DOUT-PRT AFTER CCD. MOVE 3 TO LN-CTR.
00989
20220
              27213 A-FND. MOVE 600 TO BEA. MOVE II TO BEB. PERFORM B-WRIT. ______ CM000019
00991
             27214
00992
                            CLOSE A-FILE. GO TO R-EXT.
00992 27214
00993 02801 C-TABLE.
00994 ** 2810 CNOT-U. ADD 1 TO HK-SUB.
00995 28102 MOVE A21 TO P12 (HK-SUB).
                            MOVE 1 TO P15 (HK-SUB).
00996
              28104
00997
              28105
                            MOVE THRU-SW TO PIA (HK-SUB)
                                                                                                                       CM000019
00998
             28106
                            MOVE THRU-SH TO P16 (HK-SUB)
                                                                                                                       CM000019
                            MOVE 14 TO P11 (HK-SUB). MOVE I11 TO P13 (HK-SUB).
00999
              2911
01000
              28111
                            MOVE II TO P1 (HK-SUB). MOVE I3 TO P2 (HK-SUBI. MOVE C7A TO P4 (HK-SUB). MOVE C1 TO P3 (HK-SUB). MOVE C8 TO P7 (HK-SUB). MOVE *1 TO C-SW.
C1001
              2912
                                                                                                                    CM000019
01002
              2813
             2914
01003
                            MOVE TSTCELL TO G1.
MOVE II TO C5. REWRITE C-CARD.
CLOSE C-FILE.
01004
C10C5 ** 29C11
C1006
                            MOVE 1 TO CF-SW
01007
             29141
                            GO TO ASQ-LK.
01008
01009
              2915 C-FND.
             29152
                            OISPLAY 'A-FILE ' A-TEMP.
01010
01011 ** 28151
                            OISPLAY 'C-FILE' C-CARO.
DISPLAY 'I-FILE ' I-CARO.
              28153
01012
                            CLOSF C-FILE.
01013
              28154
01014
                            MOVE 1 TO CF-SW
C1016 C2817 MOVE II TO CFA. PERFORM C-WRIT. GO TO 1-7.

1017 ** 2901 ASQ-LK. MOVE ALN ITHRU-SW ) TO SQCK-LN.

01018 IF SQUID-COUNT NOT = 0 GD TO 1-7.

C1019 02910 SQ-C*
                            MOVE 201 TO CEB.
01015
                                                                                                                       CH000019
C1019
            02910 SQ-CK.
                                                                                                                       CM000019
                            IF Al35A = 'S' AND Al35B NOT = SPACE MOVE Al3RB TO
SQUID-COUNT MOVE THRU-SW TO S-ST1 MOVE 1 TO C-SW1 GD TO 1722.
01020 ** 2911
                                                                                                                      CM000019
             29111
01021
01022
              29!2
                            IF A155A = 'S' AND A155B NOT = SPACE MOVE A15RB TO
                                                                                                                       CM003019
01023
                            SQUID-COUNT MOVE THRU-SW TO S-STI MOVE 1 TO D-SW2 GO TO 1722.
              29121
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01024	2914	IF A185A = 'S' AND A185B NOT = SPACE MOVE A18RB TO	CM000019
01025 01026	29141 29142	SQUID-COUNT MOVE THRU-SW TO S-ST1 MOVE 1 TO 0-SW4 GO TO	1722.
01027		17ZZ. SUBTRACT 1 FROM SQUID-COUNT.	· · · · · · · · · · · · · · · · · · ·
01028	030010	1-7.	CH000019
01029	030020	MOVE O TO PB-SW1. PB-SW2. STA-SW.	CM000019
01030		1-7. MOVE 0 TO PB-SW1, PB-SW2, STA-SW. MOVE A21 TO P12 (HK-SUB). MOVE 14 TO P11 (HK-SUB).	
01031	•	MOVE 14 TO P11 (HK-SUB).	
01032		MOVE I11 TO P13 (HK-SUB).	
01033		MOVE ITEM-NO TO P14 (HK-SUB).	
01034_		MOVE 1 TD P15 (HK-SUB) MOVE THRU-SW TO P16 (HK-SUB) P1A (HK-SUB) MOVE I1 TO P1 (HK-SUB).	
01035	030021	MOVE THRU-SW TO P16 (HK-SUB) P1A (HK-SUB)	
01036 01037	030022	MOVE IT TO PI (HK-SUB).	CH000019
01038	030030		
01039	030050	IF A12 = SPACE IF A4A NOT = "CB" GO TO CHOSW	<u> </u>
01040	03007C	ELSE GO TO 17JA	CM000019
01041	030080	ELSE GO TO 17KA.	CM000019
01042	030090	ELSE GD TO 17KA. IF 17C = SPACE IF A12B = SPACE	CM000019
01043	030100	IF A12B = SPACF	CM000019
01044	030110	IF A4B = SPACE	CM000019
01045	030120	MOVE 174 TO CT_1	CMOOUTO C
01046	030130	GO TO BT-OPEN ELSE MOVE 17AR TO ST-1	CM000019
01047	030140	ELSE MOVE ITAR TO ST-1	CM000019
01C48	030150	MOVE A48 TO ST-3	CM000019
01049	030160	MOVE A48 TO ST-3 ALTER 17AA TO PROCEED TO 17CA MOVE 2 TO FLIP-SW	CH000019
01050	** 3017		CM000019
01052	03018C 030190	GO TO B7-OPEN ELSE MOVE 17AR TO ST-1	
01052	030200	ELSE MOVE 17AR TO ST-1 MOVE A12B TO ST-3	CM000019
01054	030210	ALTER 17AA TO PROCEED TO 17CA	CMOODOLA
01355	030220		
01056	030230	GD TO B7-OPEN.	CM000019
01057	030240	IF I7D = SPACE	CM000019
	** 30250	IF ALZBR = SPACE	
01 05 9	3101		
01 06 0	031020	MOVE 17AR TO ST-1	CM000019
01061	031030	MOVE ITAR TO ST-1 MOVE ITAR TO ST-5 MOVE 2 TO FLIP-SW	CM000019
	** 31031	MOVE 2 TO FLIP-SW ALTER 17AA TO PROCEED TO 17FA GO TO B7-DPEN ELSE MOVE 17AR TO ST-1	
01063	031040	ALTER 17AA TO PROCEED TO 17FA	CM000019
01064	031050	GO TO B7-OPEN	CM000019
01065	031060	ELSE MOVE ITAR TO ST-1	CM000019
01066	031070	MOVE ITC. TO ST-5	CM000019
01068	** 3108 031090	MOVE A4BR TO ST-6	CM000019
01069	031100	ALTER 17AA TO PROCEED TO 17EA MOVE 2 TO FLIP-SW	C4000019
01070	031110	MOVE 2 TO FLIP-SW GO TO B7-OPEN ELSE MOVE 17AR TO ST-1	CM000019
01071	031120	FLSE MOVE 17AR TO ST-1	CM000019
01072	031130	MOVE 17C TO ST-5	CM000019
01073	** 3114	MOVE Alore to ST-6	
01074	031150	MOVE 2 TO FLIP-SW ALTER 17AA TO PROCEED TO 17EA GO TO B7-0PEN.	CM000019
01075	031160	ALTER ITAA TO PROCEED TO ITEA	CM000019
91076	031170	GO TO B7-OPEN.	CM000019
31077	031180		
01078	031190	MOVE 178R TO ST-1 ***TO ST-1	CM000019
01079	031200	MOVE I7BR TO ST-3	CM000019
01080	031210	ALTER 1744 TO PROCEED TO 17CA	CM000019

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	•

01081	031220	MOVE 3 TO FLIP-SW	CM000019
01082	031230		
01083	031240		CM000019
01084	031250		CM000019
01085	032010	MOVE 2 TO FLIP-SW	
01086	032020	20 70 07 0051	CM000019
01087		CHOSW.	
01088	032022	CHOSW. IF 0-SW1 = 1 OR 0-SW2 = 1 OR 0-SW4 = 1 1F SQUID-COUNT = 0 MOVE 1 TO 17-SWT	
01089	032023	1F SQUID-COUNT = 0 MOVE 1 TO 17-SWT	
01090	032024		
01091	**032023	ELSE MOVE 1 TO 17-SWT GO TO 1-8.	
	** 32024		
01093	032030		CM000019_
01094	032040	IF A4B = SPACE	CM000019
01095	032050		
01096	032060	GO TO B7-OPEN. MOVE A4 TO ST-2 MOVE 2 TO FLIP-SW	CM000019
01097	032070 032080		CM000019 CM000019
01099	032080	GO TO B7-OPEN.	CM000019
01130	032100	17YA	CM000019
01101	032110		CM000019
01102	032120		CM000019
01103	032130	Table 1 and	
01104	032140		CN000019
01105	032150	MOVE A12_TO_ST-2	CM000019
01106	032160	ALTER I7AA TO PROCEED TO 17BA	CM000019
01107	032170		CM000019
01108	032180		CM000019
01109	032190	17GA.	CM000019
01110	032200	IF ST-7 = B3	CM000019
01111	032220		CM000019
01112	032230		CM000019
01113	032240		CM000019
01114			CM000019
01115	033 <u>010</u> 033030		CM000019 CM000019
01117			CM000019
0111B	033050	I 7EA	CM000019
01119			CM000019
01120	033070		CM000019
01121	033080		CM000019
01122	033100	GD TO BTAB-LK.	CM000C19
01123	033110	GO TO 87-RO	CM000019
01124	033120	170A.	CM000019
01125			CM000019
01126	033140	1F ST-3 = B3RB	CM000019
01127	033160		CM000019
01128	033170		CM000019
01129		I (UA)	CM000019
01130			CM000019
01131	033200		CM000019 CM000019
01132			CM000019
01134			CM000019
01135			CM000019
01136			CM000019
01137			CM000019.
		A STATE OF THE STA	

01100 024040 07 0050	CH000010
01138	CM000019
	CM000019
	CM000019
01141 034070 READ B-FILE AT END GO TO 17-END. 01142 ** 34071 IF B10 NOT = SPACE GO TO B7-RO.	
UIIT3 U34VDU I7AA.	CM000019
01144 034090 GO TO 17HA.	CM000019
D1145 034100 17HA.	CM000019
01146 034110 IF ST-1 = 85A 01147 034130 GO TO BTAB-LK.	CM000019
01147 034130 GO TO BTAB-LK.	CM000019
0114B 034140 GO TO'B7-RO.	CM000019
01149 034150 BTAB-LK.	CM000019
01150 034160 PERFORM B-TABLE.	CM000019
01151 034170 CHX-1789.	CM000013
01152 034180	CM000019
U1133 U3414U 1F SIA-SW = 2 GU IU EFD-3EI•	CHOOOOTA
01154 034200	_ CH000019
01156 034220	CHOOCOIA
01136 034220 HOVE 808 10 8-31	CM000019
01157 034230 MOVE 1 TO PB-SM1. 01158 034240 IF B9B = "PB1" OR B8B = "PB2"	CM000019
01159 034250 MOVE 888 TO 8-ST	C4000019
01159 034250 MOVE B8B TO B-ST 01160 035010 MOVE 1 TO PB-SW2. 01151 035020 IF PB-SW1 = 1	
01151 035020 IF PB-SN1 = 1	C4000019
01152 035040 MOVE 71 TO CEB MOVE 11 TO CEA PERFORM C-WRIT GO TO 87-RD.	CM000019
01163 035080 IF PB-SW2 NOT = 1 GO TO HK-1789.	
01154 035090 AOD 1 TO APT-SUB 01155 035100 MOVE 8-ST TO APT2 (APT-SUB)	CM000019
01155 035100 MOVE 8-ST TO APT2 (APT-SUB)	CW000013
01155 035100 MOVE B-ST TO APT2 (APT-SUB) 01166 035110 MOVE B9 TO APT3 (APT-SUB) 01167 035120 PERFORM PAT-M.	CM000019
01167 035120 PERFORM PAT-M.	CM000019
01168 **035013	
01159 ** 35014 IF 0-SW1 = 1	
O1170 O35015 MOVE B-ST TO S-ST2 MOVE 2 TO APT5 (APT-SUB).	
01171 035016 HK-1789. 01172 035017	
01172 035017	
01174 035019 IF M-SW1 = 0 MOVE 1 TO M-SW1 MOVE B3 TO M-1ST.	
01175 035020 PAHK-17B9.	— —
01176 ** 3513 IF B5A NOT = 'CB' MOVE B3 TO P6 (HK-SUB).	CM000019
01177 035140 MOVE B6 TO P5A (HK-SUR)	CM000019
01177 035140 MOVE B6 TO P5A (HK-SUB) 0117B 035150 MOVE B7 TO P5B (HK-SUB) 01179 **035060 IF 8SW-1 = 1 PERFORM B-UPOATE	CM000019
01179 **035060 IF BSW-1 = I PERFORM B-UPOATE	CM000019
01180 03507 ELSE GO TO B7-RO.	
01181	CM000019
01182 035170 G0 T0 I-8.	CM000019
1100 000100 00010-KODITHE.	CM000019
01184 035190 A00 I TO SQ-SUB. 01185 035200 MDVE 'SQUID' TO QPRTC (SQ-SUB).	_ CM000019
01185 035200 MDVE SQUID TO QPRIC (SQ-SUB).	CM000019
01185 035200 MDVE 'SQUID' TO QPRTC (SQ-SUB). 01186 035210 MOVE THRU-SW TO QPRTB (SQ-SUB). 01187 035220 MDVE 1 TO QPRTD (SQ-SUB).	CM000019
011B7 035220 MOVE 1 TO QPRTD (SQ-SUB).	CM000019
011B7 035220 MOVE 1 TO QPRTD (SQ-SUB). 0118B 035221 MDVE ITEM-NO TO QPRTA (SQ-SUB). 011B9 035230 PAT-M.	CHOOODIO
01189 035230 PAT-M. 01190 C35240 MOVE ITEM-NO TO APT1 (APT-SUB)	CMODODIA
01190 C35240 MOVE ITEM-NO TO APT1 (APT-SUB) 01191 035250 MOVE THRU-SW TO APT1A (APT-SUB)	_ CH000019
01192 35A010 MOVE 1 TO APTS (APT-SUB).	CM000019
01191 035250 MOVE THRU-SW TO APTIA (APT-SUB) 01192 35A010 MOVE 1 TO APT5 (APT-SUB). 01193 35A020 B-UPDATE.	
01194 IF B1 = SPACE MOVE 'XXXX' TO B1.	5

01195 35A030MOVE I1 <u>to B1Q. REWRITE B-CARD.</u> 01196	
01196	CH000017
01198 35A090 CLOSE B-FILE. OPEN I-O B-FILE.	
01199 35A091 PERFORM BT-UPOATT THRU BT-UPOATTT.	
01200 35A092 BT-UPOATT.	· · · · · · · · · · · · · · · · · · ·
01201 35A093 READ B-FILE AT END GO TO BT-UPDATTT.	
01202 35A094 IF BT1 = B1 IF BT2 = B2 MOVE 11 TO B	O REWRITE B-CARD
01203 GO TO BT-UPDATIT.	
01204 35A095 GD TO BT-UPDATT.	
01205 35A096 BT-UPOATTT. EXIT.	
01206 ** 3601 17-END. CLOSE B-FILE.	
01207 3602 IF FLIP-SW = 1 GO TO 1-8.	
01208 36021. IF FLIP-SW = 2 DISPLAY 'A-FILE ' A-TEM	
01209 36022 DISPLAY II-FILE I I-CARD	
01210 36023 0[SPLAY '[-7 NOT = 83' GO TO [-8.	IZOA MOVE 1 TO
01211 3604 1F FLIP-SW = 3 ALTER 17AA TO PROCEED TO 01212 3605 FLIP-SW GO TO B7-OPEN.	TION HOVE S ID
01213 3606 IF FLIP-SW = 10 GO TO I-8B.	
01214 3607 IF FLIP-SW = 12 GO TO I-BC.	
01215 3608 IF FLIP-SW = 13 GO TO I-9.	
01216 3609 IF FLIP-SW = 14 GD TO I-10.	···
01217 3610 IF FLIP-SW = 15 GO TO 110BB.	
31218 3611 IF FLIP-SW = 16 GD TO STA-CK.	
01219 3612 IF FLIP-SW = 17 GO TO I10BA.	
01220 3613 IF FLIP-SW = 18 GD TO STA-CK.	
01221 3614 IF FLIP-SW = 19 GO TO 19AC.	
01222 3615 IF FLIP-SW = 20 GO TO 19FC.	
01223 3616 IF FLIP-SW = 2B ALTER ITAA TO PROCEED	0 170A MOVE 27 TO
01224 3617 FLIP-SW GO TO B7-OPEN.	
01225 IF FLIP-SW = 27	
01226 OISPLAY A-FILE A-TEMP	
01227	
O1228 OISPLAY 'I-10 NOT EQUAL A-20'	
01227 GU 11 314-04	
01231	
01232 OISPLAY 'I-FILE ' I-CARD	- •
01233 DISPLAY '1-8 NOT = A14'	•
01234 GO TO 1-9.	*
01235 3620 IF FLIP-SW = 38 ALTER 17AA TO PROCFED 1	O 170A MOVE 37 TO
01236 3621 FLIP-SW GO TO B7-OPEN.	
01237IF_FL1P-SW = 47	
01238 OISPLAY-LA-FILE A-TEMP	
01239 OISPLAY 'I-FILE ' I-CARO	
01240	
01241 GD TO I-10.	
01242 3623 IF FLIP-SW = 48 ALTER ITAA TO PROCEED 1	U 170A MOVE 47 TO
01243 3624 FLIP-SW GO TO B7-OPEN.	0 CO TO CIN 17700
01244 036250 IF FLIP-SW = 77 DISPLAY 36250 1-CAP	
01245 038010 I-B. 01246 MOVE A21 TO P12 (HK-SUB).	CM000019
01246 MOVE A21 TO P12 (HK-SUB). 01247 MOVE [4 TO P11 (HK-SUB).	
01247 HOVE 14 TO PIT (HK-SUB).	
01249 MDVE ITEM-NO TO P14 (HK-SUB).	
	TO 17HA. CM000019
01250	E GO TO ISKA. CMONONIA

01252 738040	IF IBD = SPACE GO TO IBKB. IF IBE = SPACE GO TO IBKC.	CM000019
01253 ** 38041	MOVE 37 TO FLIP-SW.	
01254 038050 01255 038060	GO TO B7-OPEN.	CM000019
01257 038080	IF A148 = SPACE GO TO IBKO. MOVE A14 TO ST-2.	CM000019 CM000019
01258 038090	IF A148 = SPACE GO TO IBKO. MOVE A14 TO ST-2. ALTER 17AA TO PROCEED TO [78A. MOVE 37 TO FLIP-SW.	CH000019
01259 038100	GO TO B7-OPEN.	CM000019
	ISKO. MOVE ALAA TO ST-1. MOVE 37 TO FLIP-SW. GO TO B7-OPEN.	
	18KA. IF A148 = SPACE GO TO 18KE.	CM000019
01262 038130	MOVE 18AR TO ST-1. MOVE A14B TO ST-3. ALTER 17AA TO	
01263 03814C	PROCEED TO 17CA. MOVE 37 TO FLIP-SW. GO TO B7-OPEN.	CM000019
01264 038150	IBKE. MOVE 18A TO ST-1. MOVE 37 TO FLIP-SH. GO TO 87-OPEN.	
01265 ** 3816	IBK8. IF AI48R = SPACE GO TO I8KF.	
01266 3817	MOVE THAR TO ST-1. MOVE ISC TO ST-5.	
01267 38171	MOVE A14BR TO ST-6.	
0126B 381B	MOVE 37 TO FLIP-SW. ALTER ITAA TO PROCEED TO ITEA.	
01269 381B1	GO TO 87-OPEN.	
01270 038190	18KF. MOVE 18AK TO ST-1. MOVE 18C_TO_ST-5. ALTER 17AA TO PROCE	ED CM000019
01271 ** 3820	TO 17FA MOVE 37 TO FLIP-SW GO TO 87-OPEN.	
01272 03B21C	IBKC. MOVE IBAR TO ST-1. MOVE IBBR TO ST-3. ALTER ITAA TO	CM000019
01273 038220	PROCEED TO 17CA. MOVE 3B TO FLIP-SW.	CM000019
01274 038230	. GO TO 87-OPEN	
	PB-SET. IF BSW-1 NOT = 1 GO TO B7-RD.	CM000019
01276 039020	IF PB-SW2 = 1 GO TO APB-SET.	CM000019
01277 039030		CM000019
0127B ** 3904	S2-SET. IF B8B = 'PB1' GO TO I8ZV.	CM000019
01279 39041	IF 888 NOT = "PB2" GO TO I-8E.	CM000019
01280 39042	MOVE 1 TO P8-SW2. MOVE 888 TO B-ST. ADD 1 TO APT-SUB.	CM000019_
01281 039050		CM000019
012BZ 039060	PERFORM PAT-M. MOVE B9 TO APT3 (APT-SUB). MOVE B8 TO APT2 (APT-SUB). MOVE B3 TO PB (HK-SUB).	_ CM000019
01283 039070		CM000019
01284 039080 01285 039090	GO TO 1-8E. APB-SET. GO TO 8PB-SET.	CM000019 CM000019
	BPB-SET. IF B6B NOT = B-ST MOVE 12 TO FLIP-SW GO TO B7-RO.	CM030019
	S1-SET. IF 0-SW1 = 1 GO TO 18TA. MOVE B7 TO APT4 (APT-SUB).	CM000019
01288 039120	GD TO 18TB.	CM000019
01289 039130	IBTA. IF THRU-SW = S-ST1 MOVE 8-ST TO S-ST2 MOVE 2 TO	CM000019
01290 039140	APT5 (APT-SUB). "	CM000019
01291 ** 3915	IF ALSA NOT = SPACE OR ALSB = SPACE MOVE B7 TO	CH000013
01292 39151	APT4 (APT-SUB)	
01293 39152	MOVE B6 TO APT2 (APT-SUB)	-
01294 039160	GO TO IBTB.	CM000019
01295 039170	PERFORM SQUID-ROUTINE. MOVE B7 TO QPRTE (SQ-SUB).	CM000019
01296 0391B0	MOVE 1 TO SCA-SW. MOVE B6 TO QPRTF (SQ-SUB).	CM000019
01297 039190	18TB. IF 888 = "PBL" OR 88B = "P82" ADD 1 TO APT-SUB	CM000019
01298 ** 39191	MOVE 1 TO P15 (HK-SUB)	CM000019
01299 039200	MOVE 1 TO P15 (HK-SUR) PERFORM PAT-M MOVE BB TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE 1 TO PR-SW2 MOVE BBB TO B-ST.	CM000019
01300 039210	APT3 (APT-SUB) MOVE, 1 TO PR-SW2 MOVE BBB TO B-ST.	CM000019
01301 ** 3922	1-8E. MOVE B3 TO P8 (HK-SUB) MOVE 1 TO P15 (HK-SUB).	CM000019
01302 3923	1F B3RRB = '0' OR '1' OR '2' OR '3' OR '4' OR '5' OR '6'	
01303 39231	OR '7' OR '8' OR '9' GO TO MI-BE.	
01304 3924	IF M-SW2 = 0	CM000019
01305 3925	MAAF I IN W-2MS	CM000019
01305 3925	MOVE B3 TO M-2ST	
01307 3927	G3 TD MI-8E.	CM000C19
O13CB 392B	IF B3RRA = M-ST2 GO TO MI-8E.	CM000019

01309 3929 MOVE B3 TO M-3ST.	
01310 3930 MI-BE.	CM000019 CM000019
01311	CM000019
01312 040020 I-8C. [F B-ST = "PB1" MOVE 'PB2" TO R-ST GO TO [8TC. 01313 040030	
01313	CM000019
01315	CM000019
01316 040060 DP8-SET.	CM000019
01317 040070 IF 86B NOT = R-ST_GO TO B7-RO. MOVE 8-CARD TO 8-TEMP.	CM000019
01318 ** 40780 CLOSE B-FILE. OPEN I-O B-FILE. MOVE 13 TO FLIP-SW.	0000027
01319 040090 BJ-READ. READ 8-FILE AT END GO TO 18-END.	C4000019
01320 040100 IF B5 NOT = '[NTR' GO TO BJ-READ.	CM000019
01321 · 040110	CM000019
31322 040120 PERFORM B-TABLE. IF BSW-1 = 1 GO TO 18-J. GO TO BJ-READ.	CM000C19
01323 040130 IB-END. CLOSE B-FILE. MOVE 801 TO CEB MOVE I1 TO CEA	CM000019
01324 040140 PERFORM C-WRIT GO TO L-9.	CM000019
01325 ** 4015 S-SET. IF THRU-SW > S-ST1 GO TO S2-SET.	
01326 040160	
01327 ** 4017 GJMP. GO TD [JMP	
01328 4018 1JMP. IF 868 = S-ST2 GO TO S1-SET. MOVE 10 TO FLIP-SW.	THE
01329 040190 GO TO B7-RO.	CM000019
01330 ** 4020 I-88. ALTER GJMP TO PROCEED TO HJMP MOVE 13 TO FLIP-SW.	
	CM000019
01332 40A010 18-J. IF 868 NOT = B-ST GO TO 18TO.	
01333 40A020 S3-SET. IF O-SW1 NOT = 1 GO TO IBTE.	<u>CM000019</u>
01334 404030 [F THRU-SW = S-ST1 MOVE B-ST TO S-ST2 MOVE 2 TO	C4000019
01335 40A040 APT5 (APT-SUB).	C4000019
01336 40A050 IF A13A NOT = SPACE GO TO 18TE.	CM000019
01337 40A060 IF A138 = SPACE GO TO ISTE. PERFORM SQUID-ROUTINE.	C#000019
01338 40A061 MOVE B6 TO QPRTF [SQ-SUB) 01339 40A070 MOVE B7 TO QPRTE (SQ-SUB) MOVE 1 TO SCA-SW GO TO [BTF.	CM000019
01340 40A080 [8TE. MOVE BY TO APT4 (APT-SUB).	CM000019
01341 40A090 18TF. ADD 1 TO APT-SUB. PERFORM PAT-M. MOVE BB TO APT2 (APT-SUB)	
01342 40A100 MDVE B9 TO APT3 (APT-SUB). MOVE BBB TO B-ST-	CM000019
01343 40A110 IBTG. PERFORM B-UPDATE.	CM000019
01344 40A120 IF BT6B NOT = 8-ST MOVE BO2 TO CEB MOVE I1 TO CEA PERFORM	CM000019
01345 ** 40A13 C-WRIT GO TO IBTH.	0000027
31346 40A140 MOVE BT7 TO APT4 (APT-SUB).	CM000019
01347 40A150 IF BT8B = "PB1" OR BT88 = "P82" ADD 1 TO APT-SUB MOVE BTB	CM000019
01348 40A160 TO APT2 (APT-SUB) PERFORM PAT-M MOVE BT9 TO APT3 (APT-SUB)	C4000019
01349 40A170 MOVE 1 TO PB-SW2 MOVE BTBB TO B-ST.	CM000019
01350 40Al71 [8TH.	CM000019
01351 40A172 IF B3TRRB = '0' OR '1' OR '2' OR '3' OR '4' OR '5' OR '6'	
01352 **40A172 OR '7' OR '8' OR '9' GO TO MISTH.	
01353 40A173 IF M-SW2 = 0 MOVE 1 TO M-SW2	
01354 40A174 MOVE BT3 TO M-2ST	
01355 40A175 GD TO MISTH.	CM000019
01356 40A176 IF 83TRRA = M-ST2 GD TO MISTH.	CM000019
01357 40A177 MOVE BT3 TO M-3ST.	
01358 40A17B MIBTH.	CM000019
01359 40A179 PERFORM BT-UPDATE MOVE BT3 TO P8 (HK-SUB) CLOSE B-FILE.	CM000019
01360 40A1B1 GD TO I-9.	4W000000
01361 40A190 [BTO. IF BBB NOT = B-ST GO TO BJ-READ.	CM000019
01362 40A191 S4-SET.	cuoco et e
01363 40A200 IF 0-SM1 NOT = 1 GO TO 18T1.	CM000019
01364 40A210 IF THRU-SW = S-ST1 MOVE 8-ST TO S-ST2 MOVE 2 TO	CM000019
01365 40A220 APT5 (APT~SUB).	CM000019

01366	40A230	IF A13A NOT = SPACE OR A13B = SPACE GO TO 18T1.	CM000019
01367	40A240	PERFORM SQUIO-ROUTINE. MOVE B9 TO QPRTE (SQ-SUB) MOVE 1 TO	CM000019
0136B	40A250	SCA-SW MOVE BB TO QPRIF (SQ-SUB).	
. 01369	40A251		
01370	40B010	IBTI. MOVE B9 TO APT4 (APT-SUB).	CM000019
01371		IBTJ. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE 86 TO APT2 (APT-SUB)	
<u>01372</u>	<u>408030</u>		CM000019
01373		HJMP. IF B6B NOT = S-ST3 GO TO B7-RO.	CM000019
01374	408050		CM000019
01375 01376			CM000019
01377	40B060	MOVE 12 TO FLIP-SW. BH-READ. READ B-FILE AT END GO TO IB-END.	CM000019
01378	40B0B0		CM000019
01379	408090		CM000019
01380	408100		CM000019
01381	40B110		CM000019
01382	408120		CM000019
013B3		IBTK. IF BBB NOT = S-ST2 GO TO BH-READ. PERFORM B-TABLE.	CM000019
91384			
	**041010	1-9.	CM000019
01386		MOVE A21 TO P12 (HK-SUB).	
013B7		MOVE 14 TO P11 [HK-SUB].	
01388		MOVE III TO PI3 (HK-SUB).	
01389		MOVE ITEM-NO TO P14 [HK-SUB].	
01390	041020		CM000019
. 01391	041030	IF I9 = SPACE GO TO A-17. IF I9C = SPACE GO TO 19KA.	CM000019
01392	041040	IF 190 = SPACE GO TO 19KB. IF 19E = SPACE GO TO 19KC.	CM000019
01393	041050		CM000019
	** 41051	MOVE 47 TO FLIP-SW.	
01395	041060	GO TO B7-OPEN.	CM000019
<u> 21396</u>		A-17. 1F A17 = SPACE GO TO I-10.	CM000019
01397	041080		CM000019
0139B	041090		CM000019
01399	041100	GO TO B7-OPEN.	CM000019
01430	041110		CM000019
01401		I9KA. 1F A17B = SPACE GO TO I9KE. MOVE 19AR TO ST-1. MOVE A17B TO ST-3. ALTER I7AA TO	CM000019
01402	041130 041140		CM000019
01404		19KE. MOVE 19A TO ST-1. MOVE 47 TO FLIP-SW. GO TO B7-OPEN.	CM000019
	** 4116		CH000014
01406	4117	MOVE IPAR TO ST-1. MOVE 19C TO ST-5. MOVE A17BR TO ST-6.	
01407	041180	MOVE 47 TO FLIP-SW. ALTER 17AA TO PROCEED TO 17EA.	CM000019
0140B	041190	GO TO B7-OPEN.	CM000019
	** 4120	ISKF. MOVE ISAR TO ST-1. MOVE ISC TO ST-5. ALTER 17AA TO	3.177777
01410	4121	PROCEED TO 17FA MOVE 47 TO FLIP-SW GO TO B7-OPEN.	
01411	4122	19KC. MOVE 19AR TO ST-1. MOVE 19BR TO ST-3. ALTER 17AA TO	
01411 01412		ISKC. MOVE 19AR TO ST-1. MOVE 19BR TO ST-3. ALTER 17AA TO PROCEEO TO 17CA. MOVE 48 TO FL1P-SW.	CM000019
	4122 041230 041240	PROCEEO TO ITCA. MOVE 48 TO FLIP-SW.	CM000019
01412 01413 01414	4122 041230 041240 042010	PROCEEO TO 17CA. MOVE 48 TO FL1P-SW. GO TO B7-OPEN. EPB-SET. IF BSW-2 = 1 GO TO B7-RO.	CM000019
01412 01413 91414 01415	4122 041230 041240 042010 042020	PROCEEO TO ITCA. MOVE 48 TO FL1P-SW. GO TO B7-OPEN. EPB-SET. IF BSW-2 = 1 GO TO B7-RO. IF PB-SW2 NOT = 1 GO TO 19TA.	CM000019
01412 01413 91414 01415 91416	4122 041230 041240 042010 042020 042030	PROCEEO TO 17CA. MOVE 48 TO FL1P-SW. GO TO B7-OPEN. EPB-SET. IF BSW-2 = 1 GO TO B7-RO. IF PB-SW2 NOT = 1 GO TO 19TA. 19BO. GO TO 19BE.	CM000019
01412 01413 91414 01415 91416 01417	4122 041230 041240 042010 042020 042030 ** 4204	PROCEED TO ITCA. MOVE 48 TO FLIP-SW. GO TO 87-OPEN. EPB-SET. IF BSW-2 = 1 GO TO 87-RO. IF PB-SW2 NOT = 1 GO TO 19TA. 1980. GO TO 198E. I98E. IF 868 NOT = B-ST MOVE 19 TO FLIP-SW GO TO 87-RD.	CM000019 CM000019 CM000019
01412 01413 91414 01415 91416 01417 01418	4122 041230 041240 042010 042020 042030 ** 4204 042050	PROCEED TO ITCA. MOVE 48 TO FLIP-SW. GO TO 87-OPEN. EPB-SET. IF BSW-2 = 1 GO TO 87-RO. IF PB-SW2 NOT = 1 GO TO 19TA. 1980. GO TO 198E. I98E. IF 86B NOT = B-ST MOVE 19 TO FLIP-SW GO TO 87-RD. S19-SET. IF 0-SW1 = 1 GO TO 19TB. IF 0-SW2 NOT = 1 GO TO 19TC.	CM000019 CM000019 CM000019
01412 01413 91414 01415 91416 01417 01418	4122 041230 041240 042010 042020 042030 ** 4204 042050 042050	PROCEED TO ITCA. MOVE 48 TO FLIP-SW. GO TO 87-OPEN. EPB-SET. IF BSW-2 = 1 GO TO 87-RO. IF PB-SW2 NOT = 1 GO TO 19TA. 19BO. GO TO 19BE. 19BE. IF 86B NOT = B-ST MOVE 19 TO FLIP-SW GO TO 87-RD. S19-SET. IF 0-SW1 = 1 GO TO 19TB. IF 0-SW2 NOT = 1 GO TO 19TC. 1F THRU-SW NOT = S-ST1 GO TO 19TB.	CM000019 CM000019 CM000019 CM000019
01412 01413 91414 01415 91416 01417 01418 01419 01420	4122 041230 041240 042010 042020 042030 ** 4204 042050 042050 042070	PROCEED TO ITCA. MOVE 48 TO FLIP-SW. GO TO 87-OPEN. EPB-SET. IF BSW-2 = 1 GO TO 87-RO. IF PB-SM2 NOT = 1 GO TO 19TA. 1980. GO TO 198E. 198E. IF 868 NOT = B-ST MOVE 19 TO FLIP-SW GO TO 87-RD. S19-SET. IF 0-SM1 = 1 GO TO 19TB. IF 0-SW2 NOT = 1 GO TO 19TC. IF THRU-SW NOT = S-ST1 GO TO 19TB. MOVE B-ST TO S-ST2. MOVE 2 TO APT5 IAPT-SUB1.	CM000019 CM000019 CM000019 CM000019 CM000019
01412 01413 91414 01415 91416 01417 01418	4122 041230 041240 042010 042020 042030 ** 4204 042050 042050 042070	PROCEED TO ITCA. MOVE 48 TO FLIP-SW. GO TO 87-OPEN. EPB-SET. IF BSW-2 = 1 GO TO 87-RO. IF PB-SM2 NOT = 1 GO TO 19TA. 1980. GO TO 198E. I98E. IF 868 NOT = B-ST MOVE 19 TO FLIP-SW GO TO 87-RD. S19-SET. IF 0-SM1 = 1 GO TO 19TB. IF 0-SW2 NOT = 1 GO TO 19TC. IF THRU-SW NOT = S-ST1 GO TO 19TB. MOVE B-ST TO S-SI2. MOVE 2 TO APT5 IAPT-SUB1. I9TB. 1F A13A NOT = SPACE OR A15A NOT = SPACE OR A16B = SPACE	CM000019 CM000019 CM000019 CM000019 CM000019 CM000019

01425 042110 19TC. MOVE B7 TO APT4 (APT-SUB). 01426 042120 19TO. IF BBB = 'PB1' OR BBB = 'PB2' AOD 1 TO APT-SUB MOVE B8 TO 01427 042130 APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) PERFORM PAT-M 01428 042140 MOVE 1 TO PB-SW2 MOVE BBB TO B-ST. 01429 042141 19TE.	CM000019 CM000019
01425 042110 19TC. MOVE B7 TO APT4 (APT-SUB). 01426 042120 19TO. IF BBB = 'PB1' OR BBB = 'PB2' AOD 1 TO APT-SUB MOVE B8 TO 01427 042130 APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) PERFORM PAT-M 01428 042140 MOVE 1 TO PB-SW2 MOVE BBB TO B-ST. 01429 042141 19TE.	CM000019
01426	
01427	CM000019
01428	CM000019
01429 042141 19TE.	CM000019
	CM000019
01430 ** 42142 MOVE 1 TO P15 [HK-SUB)	CM000019
01431 42143 IF B3RRB = '0' OR '1' DR '2' OR '3' DR '4' OR '5' DR '6'	
01432 ** 42143 OR '7' OR 'B' OR '9' GO TO MISTE.	
D1433 42144 IF M-SW3 = D	CM000019
	CM000019
01435 42146 MOVE B3 TO M-4ST	
01436 42147 GO TO M19TE.	CM000019
	CMDDOD19
0143B 42149 MOVE B3 TO M-5ST.	
	CH000019
	CM000019
	CM000019
The state of the s	CM000019
	CM000019
	CM000019
01445 ** 42191 S29-SET.	644000010
	CM000019
	CM000019
	CM000019 CM000019
	CM000019
	CM000019
01452 042240 GD TO 19TE.	CM000019
01453	CHOODOLY
01454	
	CMD00019
01456 ** 4304 I9HC. IF BOR = S-ST2 GO TO \$19-SET.	0.1000017
C1457 4305 MOVE 20 TO FLIP-SW GO TO B7-RD.	
	CMD00019
	CMODDDD19
	CM000019
	CM000019
01462 043100 19JC. IF B6B NOT = S-ST3 GO TO B7-RD. MOVE B-CARO TO B-TEMP.	CM000019
01463 043110 CLOSE 8-FILE. OPEN I-O B-FILE. MOVE 1 TO FLIP-SW.	
D1464 D4312D BV-REAO. REAO B-FILE AT ENO GO TO 19-END.	CM000019
01455	CM000019
	CM000019
01467 ** 4316	
	CM000019
01474 043230 CLOSE B-FILE. OPEN I-O B-FILE.	
	CM000019
	CM000019
	CM000019
01478 43A040 IF BIO NOT = SPACE GO TO BT-READ. PERFORM B-TABLE.	CM000019
01479 43A060 19EC. IF B6B = B-ST GD TO S39-SET.	CUDODOTA

27	
014B0 43A070	CM000019
01481 43A080 S49-SET. IF 0-SW1 = 1 GO TO 19TH. IF 0-SW2 NOT = 1 GO TO 19T	H. CM000019
014B2 43A090	CM000019
014B3 43A100 APT5 (APT-SUB).	CM000019
01484 43A110 19TH. IF A13A NOT = SPACE OR A15A NOT = SPACE GO TO 19TI.	CM000019
01485 43A123 IF A16B = SPACE GO TO 19T1. PERFORM SQUID-ROUTINE.	CM000019
01486 43A130 MOVE B8 TO QPRTF (SQ-SUB).	
01487 **43A130 MOVE B9 TO QPRTE (SQ-SUB) MOVE 1 TO SCA-SW.	CM000019
01488 43A140 19T1. MOVE R9 TO APT4 (APT-SUB).	CM000019
C14B9 **43A050 19TJ. ADD 1 TO APT-SUB. PERFORM PAT-M.	CM000019
C1490 43A160 MOVE B6 TO APT2 (APT-SUR) MOVE B7 TO APT3 (APT-SUB)	CH000019
01491 43A17C MOVE B6B TO B-ST. 01492 434171 PERFORM B-UPDATE.	CH000013
01492	ORM CM000019
01493 7443ALBU (91K. IF BIOD NOT - B-ST MOVE 902 TO CEB HOVE IT TO CEA PERF 01494 43AL9 C-WRIT CLOSE B-FILE GO TO I-10. MOVE BT7 TO APT4 (APT-SU	
01495 43A200 (F BT8B = "PB1" OR BT8B = "PB2" A00 1 TO APT-SUB MOVE BT	
01496 43A210 TO APT2 (APT-SUB) MDVE BT9 TO APT3 (APT-SUB) PERFORM PAT	
01497 43A220 MOVE 1 TO PB-SW2	CM000019
01498 43A221 MOVE BT8B TO B-ST.	CM000019
01499 43A222 IF B3TRRB = "0" UR "1" OR "2" OR "3" OR "4" OR "5" OR "6	,
01500 **43A222 OR '7' OR '8' OR '9' GO TO MI9TK.	
01501 43A223 IF M-SW3 = 0	
01502 434224 MOVE 1 TO M-CV3	CM000019
01503 43A225 MOVE BT3 TO M-4ST	
01504 43A226 GD TO M19TK.	CM000019
01505 43A227 (F B3TRRA = M-ST4 GO TO MI9TK.	CM000019
01506 43A22B MOVE BT3 TO 4-5ST.	
01507 43A229 M(9TK.	CM000019
0150B _43A231 MOVE BT3 TO P9 (HK-SUB)	
01509 43A240 PERFORM BT-UPDATE CLOSE B-FILE GO TO I-10.	CM000019
01510 438010 539-SET. IF 0-SW1 = 1 GO TO 19TL. IF 0-SW2 NOT = 1 GO TO 19T	M. CM000019
01511 438020 1F THRU-SW NOT = S-ST1 GO TO 19TL. MOVE B-ST TO S-ST2.	CM000019
01512 438030 MOVE 2 TO APT5 (APT-SUB).	CM000019
01513 43B040 19TL. IF A13A NOT = SPACE OR A15A NOT = SPACE OR A16B = SPAC	E CM000019
01514 43805 G0 TO (9TM. PERFORM SQUID-ROUTINE MOVE B7 TO	
01515 438051 QPRTE (SQ-SUB)	
21516 43B052 MOVE B6 TO QPRTE (SQ-SUB)	
01517	
01518 438070 19TM. MOVE B7 TD APT4 (APT-SUB).	
	D CT 444000010
01519 43B0B0 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB	
01519 438080 19TM. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BB8 TO	CM000019
01519 43B0B0 19TM. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 43B090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 43B091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB)	
01519 438080 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE.	
01519 438080 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 G0 TO (9TK.	CHOOOOLO
01519 438080 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 G0 TO (9TK.	CHOOOOLO
01519 438080 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 G0 TO (9TK. 01524 **045010 (-10. 01525 045020 MOVE 3 TO STA-SW. ALTER 17AA TO PROCEED TO 17HA.	CHOOOOIO
01519 438080 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE I TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 GO TO (9TK. 01524 **045010 (-10. 01525 045020 MOVE 3 TO STA-SW. ALTER I TAA TO PROCEED TO ITHA. 01526 MOVE A21 TO P12 (HK-SUB).	CHOOOOIO
01519 438080 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BB8 TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 G0 TO (9TK. 01524 **045010 (-10. 01525 045020 MOVE 3 TO STA-SW. ALTER 17AA TO PROCEED TO 17HA. 01526 MOVE A21 TO P12 (HK-SUB). 01527 MOVE I4 TO P11 (HK-SUB).	CHOOOOIO
01519 438080 19TN. AOO 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 GO TO (9TK. 01524 **045010 (-10. 01525 045020 MOVE 3 TO STA-SW. ALTER 17AA TO PROCEED TO 17HA. 01526 MOVE A21 TO P12 (HK-SUB). 01527 MOVE (11 TO P13 (HK-SUB).	CHOOOOIO
01519 438080 19TN. A00 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 G0 TO (9TK. 01524 **045010 (-10. 01525 045020 MOVE 3 TO STA-SW. ALTER 17AA TO PROCEED TO 17HA. 01526 MOVE A21 TO P12 (HK-SUB). 01527 MOVE 14 TO P11 (HK-SUB). 01529 MOVE (TEM-ND TO P14 (HK-SUB).	CM000019
01519 438080 19TN. A00 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 G0 TO (9TK. 01524 **045010 (-10. 01525 045020 MOVE 3 TO STA-SW. ALTER I TAA TO PROCEED TO ITHA. 01526 MOVE A21 TO P12 (HK-SUB). 01527 MOVE 14 TO P11 (HK-SUB). 01529 MOVE (11 TO P13 (HK-SUB). 01529 MOVE (TEM-ND TO P14 (HK-SUB). 01530 045030 IF 110 = SPACE GO TO A-20.	CM000019
01519 438080 19TN. A00 1 TO APT-SUB. PERFORM PAT-M. MOVE BB 01520 438090 TO APT2 (APT-SUB) MOVE B9 TO APT3 (APT-SUB) MOVE BBB TO 01521 438091 MOVE B3 TO P9 (HK-SUB) MOVE 1 TO P15 (HK-SUB) 01522 438092 PERFORM B-UPDATE. 01523 438100 G0 TO (9TK. 01524 **045010 (-10. 01525 045020 MOVE 3 TO STA-SW. ALTER I TAA TO PROCEED TO ITHA. 01526 MOVE A21 TO P12 (HK-SUB). 01527 MOVE (11 TO P13 (HK-SUB). 01529 MOVE (11 TO P13 (HK-SUB). 01529 MOVE (TEM-ND TO P14 (HK-SUB). 01530 045030 IF 110 = SPACE GO TO A-20.	CM000019
01519	CM000019
01519	CM000019
01519	CM000019

			2002.2
01537	<u>045080</u>	GO TO 87-OPEN.	.CM000019
0153B	045090	A-20.	CM000019
01539	045100	IF A20 = SPACE GD TO STA-CK,	CM000019
01540	045110	IF AZOB = SPACE GU TU TIOKO.	CH000019
01541	045120	MOVE AZO IU SI-Z. ALIER I (AA IO PRUCEEU IU I/BA.	CMODOOTA"
01542	045130	MORE ST IN FLIP-SW. GD IN BI-OPEN.	CM0000019
01543 01544	045150	110KA.	CHOODOIA
		The state of the s	CHOODOIA
01545	045160 045170	ALTER 174A TO PROCESS TO 1764	CMODOLI
01547		ALIER IMA IU PRUCECU IU ITCA: Move 27 to ello-su co to az-oben	CHOOODIA
01548		IIOKB.	CHOODOLY
	** 4520	IL AZORD = SPACE OF TO FLOWE	CHOOOOIA
01550	045210		
	** 4522	MOVE ILOAR TO ST-1. MOVE ILOG TO ST-5. MOVE AZOBR TO ST-6. ALTER ITAA TO PROCEED TO ITEA. MOVE 27 TO FLIP-SW.	011000017
01552	045230	MOVE AZORA TO SI TO-SU.	CM000019
01553		MOVE 27 TO FLIP-SW. GD_TO_B7-DPEN. 110KC. MOVE I10AR TD_ST-1. MOVE I10BR TO_ST-3. ALTER I7AA TO_PROCEED TO_I7CA.	CHOOCOLY
	**044010	TIONE	CM000019
01555	044020	MOVE TIOAR TO ST-1, MOVE TIOAR TO ST-3.	CM000019
01556	044030	ALTER IZAA TO PROCEED TO IZCA.	CM000019
01557	044040	MOVE 28 TO ELIP-SM. OF TO 87-OPEN.	CM000019
0155B		MOVE ITOAR TO ST-1. MOVE ITOBR TO ST-3. ALTER ITAA TO PROCEED TO ITCA. MOVE 28 TO FLIP-SW. GO TO 87-OPEN. ITORO. MOVE A20A TO ST-1. MOVE 27 TO FLIP-SW. GO TO 87-OPEN.	CM000019
01559	044060	MOVE A20A TO ST-1. MOVE 27 TO FLIP-SW.	CM000019
01560	044070	GD TO 87-OPEN.	CM000019
01561		I LOKE.	CM000019
01562		MOVE 1104 TO ST-1. MOVE 27 TO ELIP-SM.	CM000019
01563	044100	GO TO B7-OPEN.	CM000019
01564	044110	I 10KF.	CM000019
01565	044120	MOVE ILOAR TO ST-1. MOVE ILOC TO ST-5.	CM000019
01566	** 4412	MOVE 27 TO FLIP-SW.	
01567	044130	ALTER 17AA TO PROCEED TO 17FA. GO TO B7-OPEN.	CM000019
0156B	044140	MOVE 27 TO FLIP-SW. ALTER 17AA TO PROCEED TO 17FA. GO TO B7-OPEN. KPB-SET. IF PB-SW2 NOT = 1 GO TO 110TA. 110C8. GO TO 110D8.	CM000019
01569	044160	IF PR-SM2 NOT = 1 CO TO ILOTA.	CM000019
01570	044170	110CB. GO TO 1100B. 110DB. IF 868 NOT = 8-ST MOVE 15 TO FLIP-SW GO TO 87-RD. S110-SET.	CM000019
01571	044180	1100B. IF B68 NOT = 8-ST MOVE 15 TO FLIP-SW G0 TO 87-RD.	CH000019_
01572	044190	S110-SET.	CM000019
<u> </u>	044200	IF 0-SW1 = 1 GO TO I10TB.	
01574	044201	IF D-SW2 ≠ 1	
21575	044202	IF D-SW2 * 1	
01576	044210	IF 0-SW4 NOT = 1 GO TO I10TC.	CM000019
01577		S110-SETZ.	
01578	044220		CM000019
01579		MOVE B-ST TO S-STZ.	CM000019
015B0	044240	MOVE 2 TO APT5 (APT-SUB).	CM000019
01581		[10TB.	CM000019
01582		IF A13A NOT = SPACE OR A15A NOT = SPACE OR A1BA NOT = SPACE	CM000019
01583			CH000019
01584		PERFORM SQUID-ROUTINE. MOVE BO 10 QPRIF (5Q-50B).	CM000019
	046050	HOVE BY TO BOKIE (30-308). HOVE I TO SCA-5W.	CH003019
01586	046050	GU TU IIOAA.	CM000019
01587		TIDIC. MUYE 87 TO API4 (API-SUB).	CH000019
		IIVAA IF II-JAI - I HUTE U IU II-JAI	
01 <u>589</u> 01590	46072	IF 868 = 'P81' OR 868 = 'P82'	
01590	40013	OU TO ARULE	
01591	46075	GO TO AAO11 ELSE MOVE 86 TO P5A (HK-SUB) MOVE 87 TO P5B (HK-SUB). MOVE 0 TO 17-SWT.	
01593	46072	MOVE OF TO TACKET.	
U . 2773	4041 <u>0</u>	1016 0 10 I(-3#1 % -	

01594 46080	AAO11. MOVE B3 TO P10 (HK-SUB) MOVE 1 TO P15 (HK-SUB)	
		CM000019
01596 0460B0 01597 **0460B0	IF B3RRB = "0" OR "1" OR "2" OR "3" OR "4" OR "5" OR "6" OR "7" OR "8" OR "9" GD TO MA10[AL.	
0159B ** 46080	IF M-SW3 = 0	CM000019
01599 ** 460B0	MOVE 1 TO M-SW3	CM000019
01600 ** 460B0	MOVE B3 TO M-6ST.	0.1000017
	MAIOTAL.	
01602 ** 46081		CM000019
01603 046090	PERFORM B-UPDATE CLOSE B-FILE GO TO STA-CK.	CM000019
01604 046100		
01605 046110	15 0-542 - 1 60 TO 110TO	C#000019
01606 046120		CM000019
01607 046130	110TO. IF THRU-SW > S-ST1 GO TO 110AA.	
0160B 046140	IF SQUIO-COUNT = 0 GO TO IIOAA.	<u></u>
	IIOCA. GO TO IIOOA.	CM000019
	I100A. IF B6B = S-ST2 GO TO S110-SET.	CM000019
01611 046170	MOVE 17 TO FLIP-SW GO TO B7-RO.	CM000019
01612 0461B0	110BA. IF S-ST2 = 'PB1' MOVE 'PB2' TO S-ST3 GO TO I10TE. IF S-ST2 = 'PB2' MOVE 'PB1' TO S-ST3.	CM000019
01613 046190	IF S-ST2 = 'PB1' MOVE 'PB2' TO S-ST3 GO TO 110TE.	CM000019
01614 046200	1F S-ST2 = 'PB2' MOVE 'PB1' TO S-ST3.	CM000019
	IIOTE. ALTER IIOCA TO PROCEED TO 110EA.	CM000019
01616 046220	MOVE 18 TO FLIP-SW GO TO B7-OPEN.	CM000019
	110EA. 1F B6B NOT = \$-\$T3 GO TO B7-RO.	CM000019
0161B 047020	MOVE B-CARO TO B-TEMP. CLOSE B-FILE. OPEN I-O B-FILE. MOVE 2 TO FLIP-SW.	CM000019
.01619 ** 47030 01620 047040		CM000019
01621 047050	READ B-FILE AT END GO TO IIO-END.	CM000019
01622 047060		
01623 047070	IF B10 NOT = "INTR" GO TO BJ-RO. IF B10 NOT = SPACE GO TO BJ-RO.	CM000019
01624 0470B0		
01625 047090	PERFORM B-TABLE. IF BSW-1 = 1 GO TO 110FA. GO TO BJ-RO. LOSA JE BSR = S-ST2 GO TO SAJO-SET.	CM000019
	110FA. IF B6B = S-ST2 GO TO S310-SET.	CM000019
01627 ** 4711	IF BBB = S-ST2 GO TO S410-SET. GO TO BJ-RO.	
01628 047120	110-ENO.	CM000019
01629 047121	CLOSE B-FILE.	
01630 047130	MOVE 101 TO CEB. MOVE II TO CEA PERFORM C-WRIT GO TO	CM000019
01631 047140	STA-CK.	CM000019
01632 047150		CM000019
01633 047160	IF B-ST = 'PB1' MOVE 'PB2' TO R-ST GO TO ITOTF.	CM000019
<u>01634 </u>	IF B-ST = 'PB2' MOVE 'PB1' TO R-ST.	CM000019
	110TF. MOVE 16 TO FLIP-SW. ALTER I10CB TO PROCEED TO I10EB.	CM000019
01636 047190		CM000019
.01637 047200	110EB.	CM000019
· 0163B 047210	IF B6B NOT = R-ST GO TO B7-RD. MOVE B-CARO TO B-TEMP. CLOSE B-FILE.	CM000019 CM000019
01639 047220	MOVE DECARD ID DETEMPA CEDSE SELICEA	CHOOCOLY
01640 ** 4723	OPEN I-O B-FILE. MOVE 1 TO FLIP-SW. BK-RD. READ B-FILE AT END GO TO [10-END.	CM000019
01641 048010 01642 048020		
01643 048020	IF B5 NOT = "INTR" GO TO BK-RO. IF B10 NOT = SPACE GO TO BK-RO. PERFORM B-TABLE. IF BSW-1 NOT = 1 GO TO BK-RD.	CM000019
01644 048040	IF BSW-1 VOT = 1 GO TO BK-RD.	CM000019
	TIOSE, TE BAR NOT = R-ST CO TO TIOTO.	
	\$310-SET.	CM000019
01647 04B070	IF O-SW1 = 1 GO TO [10TH.	CM000019
0164B 04B0B0	IF O-SW2 = 1 IF I9 = SPACE IF A17 = SPACE	
01649 048081	GO TO \$310-SET22 ELSE GO TO ITOTH ELSE GO TO ITOTH.	
01650 04B090	IF O-SW4 NOT = 1 GO TO [10T].	CM000019

01651	048091	\$310-\$ET22.	
01652		TE TUBILER NOT - C-STI CO TO TIOTH	CM000019
01653			CM000019
01654	04B120	IIOTH.	CM000019
01655	048130	IF ALBA NOT = SPACE OR ALBA NOT = SPACE OR ALBA NOT = SPACE	CM000019
91656	** 4B14	GD TO IIOTI. PERFORM SQUID-ROUTINE.	
01657			
01658			
01659		I 10TI . MOVE BY TO APT4 (APT-SUB).	CM000019
01660		IIOTJ. ADD 1 TO APT-SUB. MOVE B8 TO APT2 (APT-SUB). PERFORM	CM000019
<u> </u>		PAT-4. MOVE 89 TO APT3 (APT-SUB). MOVE 88B TO B-ST. ILOTK. PERFORM B-UPDATE. CLOSE 8-FILE.	CM000019 CM000019
01663			
	**048200		
	** 4B200		
21666			
	**048201	CLOSE B-FILE	
0165B			CM000019
01669	048220	GO TO STA-CK.	CM000019
01670	** 48221	MIIOTK.	CM000019
01671	48222		
01672	** 4B222		
.016 <u>73</u>			CM000019
01674		MUVE I IU M-5W3	CM000019
01675			
	** 48222	MITOTKX. EXIT.	
01677		I 10TG. IF BBB NOT = B-ST GO TO BK-RD.	CM000019
01678		\$410-\$ET.	
01679		IF 0-SW1 = 1 GO TO I10TL. IF 0-SW2 = 1	
01681		GO TO \$410-\$ET22 ELSE GO TO 110TL ELSE GO TO 110TL.	
01682			CM000019
01683		S410-SET22.	C.,00001,
01684			CM000019
01685		MOVE 2 TO APTS (APT-SUB).	CM000019
01686	049050	IIOTL. IF ALBA NOT = SPACE OR ALBA NOT = SPACE OR ALBA NOT =	CM000019
C1687	049070	SPACE OR A188 = SPACE GO TO ILOTM. PERFORM SQUID-ROUTINE.	CM000019
01688	** 49071	MOVE BR TO QPRTF (SQ-SUB)	
01689			CM000019_
01690		I TOTM. MOVE B9 TO APT4 (APT-SUB).	CM000019
	** 4910	I 10TN. ADD 1 TO APT-SUB. PERFORM PAT-N.	
01692		MOVE B5 TO APT2 (APT-SUB)	
01693			CM000019
	**036010		CM000019
01696	** 36011 5021	MOVE 1 TO BSW-1. STA-CK. SUBTRACT 1 FROM THRU-SW. IF THRU-SW = ZERO GO TO	
01697			
0169B	50222	IF SCA-SW = 1 SUBTRACT 1 FROM SQUID-COUNT MOVE ZERO TO	
01699		SCA-SW.	
01700			
	**050230		
01702	** 50231	PERFORM ENG-ALTA	CM000019
01703	** 2025	MOVE ALN (THRU-SW) TO A-TEMP. PERFORM I-READ.	
01704	5026	AOO 1 TO HK-SUB. GO TO ASQ-LK.	
0170E			
01705		R-EXT. PERFORM OXX THRU HXX UNTIL THRU-SM < 2. GD TO ENDIT.	CM000019
01706	5051	DXX. READ [-FILE AT END GO TO I-END. SUBTRACT 1 FROM THRU-SW.	
	5051		CM000019

31		
J.		
01708 50 01709 51	53	
		CM000019
	OZ MOVE ZERO TO HK-SUB. MOVE ZERO TO PAT-SUB. O7 PERFORM HK-ROUT THRU HK-PREX UNTIL HK-SUB > 5.	CMOO
		CM00D019
		CH000019 CH000019
		CM000019
	14 MOVE P4 (HK-SUB) TO PBT4 MOVE P5A (HK-SUB) TO PBT5A	CHOOGOTA
01717 51	141 MOVE PSB (HK-SUB) TO PBTSB MOVE	
	15 P6 (HK-SU8) TO PBT6 MOVE P7 (HK-SUB) TO PBT7	
	151 MOVE PB (HK-SUB) 16 - TO PBTB MOVE P9 (HK-SUB) TO PBT9 MOVE P10 (HK-SUB) TO PBT10	CM000019
01720 51 01721 51		CM000019
		CM000019
01723 51	181 MOVE PIA (HK-SUB) TO PBTIA	
	182 MOYE P16 (HK-SUB) TO PBT15	CM000019
01725 ** 51	171 MOVE P14 (HK-SUB) TO PZM	
01726 01727 51	PERFORM CK-PZM 173 MOVE PZMP TO PBT14	
	174 MOVE P12 (HK-SUB) TO P2M	
	175 PERFORM CK-PZM	
01730 ** 51		
	19 WRITE HK-PRT FROM EOUT-PRT.	CM000019
01732 051 01733 ** 52		CM000019
	OF PERFORM PT-ROUT THRU PTEX UNTIL PAT-SUB > 95. GO TO ENDIT.	0000017
01735 52	06 PT-ROUT.	CM000019
	09 ADD 1 TO PAT-SUB. 1F APT5 (PAT-SUB) = 1 GO TO PT-B.	CM000019
	10	CM000019
	111 PERFORM BTP. MOVE ZERO TO N-SUB.	
	12 PERFORM PT-S UNTIL N-SUB > 5. GO TO PTEX.	
	13 PT-5.	5
	141 ADD 1 TO N-SUB 142 (F QPRTD (N-SUB) = 1 IF QPRTF (N-SUB) = *PB1 MOVE QPRTA (N-SUB)	CM000019
01743 52 01744	142 (F QPRTD (N-SUB) = 1 IF QPRTF (N-SUB) = PB1 MOVE QPRTA (N-SUB)	
		CM000019
	152 PATS MOVE OPRTE (N-SUB) TO PATA MOVE QPRTF (N-SUB) TO PAT2	
01747 ** 52	The state of the s	
0174B ** 52		
01749 01750	PERFORM CK-PZM Move PZMP to PZPAT	
01751 ** 52		
01752	ELSE PERFORM SQTP.	
	155 SQTP.	
	156 MOVE SPACE TO PAT1 PAT2 PAT3 PAT4 MOVE O TO PAT1A.	
_	157 MOVE QPRTA (N-SUB) TO TAPL MOVE QPRTB (N-SUB) TO TAPLA 158 MOVE QPRTC (N-SUB) TO TAP3 MOVE QPRTE (N-SUB) TO TAP4	
_	159 MOVE OPRTE (N-SUB) TO TAP2.	
0175B ** 52	158 ADD 1 TO SUB36 MOVE SUB36 TO PAT36 MOVE QPRTA (N-SUB) TO PZM	
01759	PERFORM CK-PZM	
01760 01761 52	MOVE PZMP TO PZPAT 159 WRITE PAT-PRT FROM BOUT-PRT.	
	211 BTP.	
01763 52	212 MOVE SPACE TO PATI PATE PATE PATE HOVE O TO PATIA.	

32		
32 ·		
01765 52214	MOVE APTS (PAT-SUB) TO TAPS. MOVE APTS (PAT-SUB) TO TAPS.	
01766 52215	MOVE APT4 (PAT-SUB) TO TAP4.	
01767 ** 52214	ADD 1 TO SUB36 MOVE SUB36 TO PAT36 MOVE APT1 (PAT-SUB) TO PZ	<u>1</u>
01768	PERFORM CK-PZM .	
01769	MOVE PZMP TO PZPAT	
01770 52216 01771 052160 P1	MRITE PAT-PRT FROM BOUT-PRT.	CM000019
_01771052160_P1 01772 ** 52161	1F APT2 (PAT-SUB) = 'PB1 ' NEXT SENTENCE ELSE	CH000013
01773 52162	PERFORM BTP GO TO PTEX.	
01774 ** 52161	MOVE APTI (PAT-SUB) TO PATI. MOVE APTIA (PAT-SUB) TO PATIA.	CM000019
01775 052170	MOVE APT2 (PAT-SUB) TO PAT2. MOVE APT3 (PAT-SUB) TO PAT3.	CM000019
01776 052180	MOVE APT4 (PAT-SUB) TO PAT4.	CM000019
01777 ** 52190	MOVE SPACE TO TAP1 TAP2 TAP3 TAP4 MOVE O TO TAP1A.	
31778 ** 52180	AOD 1 TO SUB36 HOVE SUB36 TO PAT36 MOVE APT1 (PAT-SUB) TO PZ	9
01779	PERFORM CK-PZN MOVE PZMP TO PZPAT	
01781 5221	WRITE PAT-PRT FROM BOUT-PRT.	
	TEX. EXIT.	CM000019
01783 053010 EI		CM000019
01784 ** 53011	MOVE O TO SUB36	
01785 5302	MOVE ZERO TO C-SW.	
01786 053021	MOVE ZERO TO SQ-SUB.	CM000019
01787 ** 5308	MOVE ZERO TO PB-SW2.	CM000019
01788 053090	MOVE ZERO TO 0-SW1. MOVE ZERO TO 0-SW2. MOVE ZERO TO 0-SW4. MOVE ZERO TO THRU-SW. MOVE ZERO TO P-CNT. MOVE ZERO TO CSW-1	
01789 ** 5310 01790 Ci	K-MULTOUT.	CM000019
01791	IF M-SW1 = 1 OR M-SW2 = 1 OR M-SW3 = 1 NEXT SENTENCE ELSE	CM000019
01792	GO TO N-BACK.	CM000019
01793	OPEN 1-0 B-FILE.	
	D-M8FILE.	CM000019
01795	READ B-FILE AT ENO GO TO MUL-END.	CM000019
01796	IF 83RRA = M-ST1 OR 83RRA = M-ST2 OR 83RRA = M-ST3	CM000019
01797 01798	OR B3RRA = M-ST4 OR B3RRA = M-ST5 OR B3RRA = M-ST6 NEXT SENTENCE ELSE GO TO RO-MBFILE.	CH000019
01799	IF B3RR8 = "0" OR "1" OR "2" OR "3" OR "4" OR "5" OR "6"	
01800	OR '7' OR '8' OR '9' GO TO RO-MBFILE.	
01801	PERFORM B-TABLE. IF BSW-1 = 1 PERFORM B-UPDATE.	
01802	GO TO RO-MBFILE.	
	UL-ENO.	CM000019
01804	CLOSE B-FILE.	CM000019
01805 01806	MOVE 0 TO M-SW1 M-SW2 M-SW3. MOVE '9999' TO M-ST1 M-ST2 M-ST3 M-ST4 M-ST5 M-ST6.	_CM0 <u>00019</u>
	-BACK.	
01808 53101	MOVE ZERO TO CSW-2. MOVE SPACE TO B-ST. MOVE SPACE TO R-ST.	CM000019
01809 53102	MOVE ZERO TO P8-SW1.	
01810 53104	MOVE ZERO TO HK-SUB. MOVE ZERO TO AL-SUB. MOVE ZERO TO BSW-1	-CM000019
01811 53105	MOVE ZERO TO BSW-2. MOVE ZERO TO PAT-SUB.	CM000019
01812 53106	MOVE ZERO TO N-SUB.	
01813 ** 53106	MOVE 0 TO S-ST1.	
01814 053107 01815 053108	MOVE O TO APT-SUB. MOVE SPACE TO S-ST2.	
01816 053109	MOVE O TO SQUID-COUNT SCA-SW.	
01817 ** 5310A E		CM000019
01818 5310B	MOVE ZERO TO PB-SW1 P8-SW2 STA-SW.	J.,1000057
01819 5310C	MOVE SPACE TO B-ST R-ST.	CM000019
01820 53107	ALTER 1744 TO PROCEED TO 17HA.	
01821 53108	ALTER APB-SET TO PROCEED TO BPB-SET.	

		
01822 53109	ALTER GJMP TO PROCEED TO IJMP.	
01823 5311	ALTER 19GC TO PROCEED TO 19HC.	
01824 53111	ALTER 1980 TO PROCEED TO 198E.	
01825 53112	ALTER ILOCA TO PROCEED TO ILOUA.	
01826 53113	ALTER 110CB TO PROCEED TO 110D8.	
01827 53114 WH-	TO	
01828 ** 5310	GO TO A-OPEN.	
01829 053120 I-E		CM000019
01830 ** 53122	OPEN OUTPUT O-CARD.	CM000019
01831 053123 01832 053124	CLOSE A-FILE. IF CF-SW = 0 CLOSE C-FILE.	
01833 **' 803	DPEN INPUT A-FILE.	•
01834 B031	WRITE PRT-REC FROM AAAA-HD AFTER AAAA-H.	
01835 8032	GO TO AJECT.	
	D-A.	CM000020
01837 00805	READ A-FILE AT END GO TO START-8.	CM000020
2183B ** 8051	MOVE A-CARO TO A-TEMP.	
01839 00806	MOVE AT TO ATH MOVE ATB TO ATBH	
01840 00807	MOVE A2 TO A2H MOVE A3 TO A3H	د
01841 0080B	MOVE A4 TO A4H MOVE A5 TO A5H	
01842 00809	MOVE A6 TO A6H MOVE A7 TO A7H	
01843 00810	MOVE AS TO ASH MOVE A9 TO A9H	
01844 00811	MOVE ALO TO ALCH MOVE ALL TO ALLH	
01845 00812	MOVE ALZ TO ALZH MOVE ALS TO ALSH	
<u>01846 → -008</u> 13	MOVE A14 TO A14H MOVE ALS TO A15H	-
01847 00814	MOVE A16 TO A16H MOVE A17 TO A17H	
01848 00815 01849 00816	MOVE A18 TO A18H MOVE A19 TO A19H MOVE A20 TO A20H MOVE A21 TO A21H	
01850 00817	WRITE PRI-REC FROM BA-HO AFTER SAA.	CH000020
01851 ** 8171	MOVE 1 TO SAA.	CHOOGOZO
01852 00818	A00 1 TO A-CT.	CM0 00020
01853 00819	IF A-CT > 49 GO TO AJECT.	CM000020
01854' 00820	GO TO READ-A.	CM000020
	CT.	CM000020
01856 ** 8211	MOVE_0_TO_A-CT.	
01857 00822	WRITE PRT-REC FROM AA-HO AFTER AAA.	CM000020
01858 00823	WRITE PRT-REC FROM AAA-HO AFTER AAAA.	CM000020
01859 ** 8231	MOVE 'C' TO BAA	•
01860 00824	MOVE '1' TO AAA.	CM000020
01861 00825	GO TO READ-A.	CH000020
	RT-B.	CM000020
01863	CLOSE A-FILE.	CHOOOCC
01864 23	OPEN 1-0 8-FILE. WRITE PRT-REC FROM ABB8-HD AFTER 0. MOVE 50 TO 8-CT.	CM000020
01865 01866 05	GO TO 8-JECT.	CH000020
	D-8C.	CM000020
01869 10	READ B-FILE AT END GO TO START-C.	CH000020
	MOVE 81 TO BIH MOVE 82 TO 82H	
01870 17	MOVE 83 TO 83H MOVE 84 TO 84H	
01871 1B	MOVE B5 TO B5H MOVE B6 TO B6H	
01872 19	MOVE 87 TO 87H HOVE 88 TO BBH	
01873 20	MOVE B9 TO 89H MOVE B10 TO B10H	
01874 21	MOVE 811 TO 811H	
01875 ** 11	WRITE PRT-REC FROM BB-HD AFTER 8BB.	
01876 222	MOVE ' ' TO 88B.	
01877 23	AOD 1 TO B-CT	CM000020
01878 24	PERFORM 8-JECT.	CM000020

34			
01879		GD TO READ-BC.	
01880 **	05 B-J	IECT.	CM000020
01881	06 .	IF B-CT > 49	CM000020
01882	900	MOVE O TO B-CT	
01883	_ 07	HRITE PRT-REC FROM AB-HO AFTER ABB	CM000020
21884	. 08	MOVF '1' TO ABB	CM000020
01885 **	061	MDVE 101 TO 888	
01886	09	WRITE PRI-REC FROM A88-HD AFTER A888.	C#000020
21887	10 816		CM000020
31888 **		ART-C.	CMQ00020
01889	04	CLOSE B-FILE	ÇM000020
21890		OPEN 1-0 C-FILE.	
01891_	_ 06	WRITE PRI-REC FROM ACCC-HD AFTER 0.	
01892	07	MOVE 50 TO C-CT.	CM000020
01893	08	GO TO C-JECT.	CM000020
01894	PAS	SFOUR.	
01895		READ C-FILE AT END GO TO CFENO.	C#000020
01896		NO-CF. RE <u>AD C-FILE</u> AT <u>end GD to C</u> FENO.	CM000020
01897 . `	10	READ C-FILE AT END GO TO CFENO. IF IFCLIST = 'O' GO TO ONLY-ASGIN.	
01898	14 00	MOVE CL TO CIH	
01899 01900	16 CO.	MOVE C3 TO C3H MOVE C4A TO C4AH	
01931		MOVE C48 TO C48H MOVE C4C TO C4CH	•
01902	1 <u>8</u> 19	MOVE C5 TO C5H MOVE C6 TO C6H	
	20	HOVE CTA TO CTAH MOVE CTB TO CTBH	
01904	21 21	MOVE C8 TO C8H MOVE C9 TO C9BH	
01905	22	MOVE CIOA TO CLOAH	
01906		MOVE CITA TO CITAH.	
01907	24	MOVE CILB TO CILBH MOVE CIZ TO CIZH	•
01908 **	01	WRITE PRI-REC FROM BC-HD AFTER BCC.	
01909	012	HOVE ' TO SCC.	
01910	02	ADD 1 TO C-CT	CM000020
01911	03	PERFORM C-JECT.	CM000020
01912	04 GDC	GO TO READ-CF.	CM000020
01913	09 C−J	DECT.	CM000020
01914	10	IF C-CT > 49 MOVE O TO C-CT	CM000020
01915	111	MOVE "O" TO 8CC	
01916 **	11	WRITE PRT-REC FROM AC-HD AFTER ACC	CM000020
01917	12	MOVE 'L' TO ACC	CM000020
01918	13	WRITE PRT-REC FROM ACC-HD AFTER ACCC.	CM000020
01919 **	7.8	GO TO READ-CF.	CM000020
01927	ONL	Y-ASGIN.	
01921		IF C9 NOT = "O" GO TO READ-CF.	-
01922		IF C1 NOT = TSTCELL GO TO READ-CF.	
01923		IF C5 = SPACE GO TO REAO-CF.	
01924		PERFORM CO.	
01925		PERFORM PASFOUR.	
01925		PERFORM CO.	
01927		PERFORM PASFOUR.	
01928		PERFORM CO.	
01929 01930	•	PERFORM CO.	
01931			
01931		PERFORM PASFOUR.	
01933		GO TO READ-CF.	•
01733	19 CFE		
V1-37	17 ,676	. 100	C-1000020

01934 19 CFEND. 01935 ** 02 CLOSE C-FILE. C4000020 C4000020

```
53181
 01936
                       GO TO PEO.
                                                        - ... -- ....
 01937
                  CK-PZM.
                       0193B
 01939
                     MOVE SPACE TO PZMP1 PZMP2 PZMP3 PZMP4

(ELSE MOVE PZ1 TO PZMP4 MOVE SPACE TO PZMP1 PZMP2 PZMP3

(ELSE MOVE PZ1 TO PZMP3 MOVE PZ2 TO PZMP4
 01940
 01941
 01942
                       MOVE SPACE TO PZMP1 PZMP2
 01943
                      SELSE MOVE PZ1 TO PZMP2 MOVE PZ2

MOVE PZ3 TO PZMP4 MOVE SPACE TO PZMP1
 11944
                                                          MOVE PZZ TO PZMP3
 01945
                      J ELSE MOVE PZ1 TO PZMP1
 01945
 31947
                       MOVE PZ2 TO PZMP2
                                               MOVE PZ3 TO PZMP3
                                                                     MOVE PZ4 TO PZMP4.
 31943
                   BCK-PZM.
                       IF PZ3 = SPACE IF PZ2 = SPACE IF PZ1 = SPACE
 01949
                       MOVE SPACE TO PZMP1 PZMP2 PZMP3
 01950
                       ELSE MOVE PZ1 TO PZMP3 MOVE SPACE TO PZMP1 PZMP2
 01951
                       ELSE MOVE PZZ TO PZMP3 MOVE PZ1 TO PZMP2 MOVE SPACE TO PZMP1 ELSE MOVE PZ1 TO PZMP1 MOVE PZZ TO PZMP2 MOVE PZ3 TO PZMP3.
 01952
 01953
            5323 PED. CLOSE I-FILE. CLOSE PRT-A. CLOSE PRT-B. CLOSE O-CARO.
 01954
                                                                                                CM000019
 01955
                       OPEN 1-0 8-FILE. OPEN DUTPUT B-UPTAPE.
 01956
                   B-PEO.
 01957
                       READ B-FILE AT END GO TO C-PED.
                       WRITE B-UPTAPER FROM B-CARD.
 01958
                       GO TO B-PEO.
 01959
 01960
                   C-PED.
                                                        CLOSE B-FILE B-UPTAPE.
 01961
                       OPEN I-O C-FILE OUTPUT C-UPTAPE.
 01962
 01963
                       READ C-FILE AT ENO GO TO C-PEDENO. ......
WRITE C-UPTAPER FROM C-CARO.
 01964
 01965
 01966
                       GO TO C-PEDR.
 01967
                   C-PEDEND.
                       CLOSE C-FILE C-UPTAPE.
 21968
 01969 ** 1061
                        STOP RUN.
          077010 1.
 01970
          077011
 01971
                       MOVE 77 TO FLIP-SW.
                       HUVE '/' ID FLIP-SW.

IF IICA = 'M' IF IIOB = 'T' GO TO 2.

IF IICA = 'M' IF IIOB = 'R' GO TO 4.

IF IICA = 'E' IF IIOB = 'R' GO TO 4.
 01972
          077072
 01973 **077030
 01974
          077040
 01975
          077050
 01976
          077070
                       DISPLAY '077070 ' 110.
 01977 ** 77080
                       GO TO STA-CK.
 0197B
          077100 2.
                       ALTER ITAM TO PROCEED TO 21.
 01979
          077110
 01980
          077120
                       GO TO BY-OPEN.
 01981
          077130 21.
 01982
          077140
                       IF IIOAR NOT = B3RA GO TO 87-RD.
                       IF I10D NOT = N-83 GO TO B7-R0.

IF A20A = "MT" GO TO 22.
 01983
          C77150
 01984
          077151
 01985
          077160
                       GO TO BTAB-LK.
 01986
          077161 22.
31987
                        IF AZOB = SPACE GO TO BYAB-LK.
          077162
                       IF A208 NOT = 858 GO TO 87-RO.
 21988
          077163
                       GD TO BTAB-LK.
 01989
          077164
 01990
          077170 3.
                       ALTER 17AA TO PROCEED TO 31.
 01991
           077180
 01992
          077190
                       GQ TO B7-OPEN.
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7	

01993	077200 31.	
01994	077210	IF I10ARR NOT = B3A GO TO B7-RD.
01995		IF ILOC NOT = N-B3 GO TO B7-RD.
01996	077220	IF B5BRR NOT = I100 G0 TO B7-RD.
01997	077230	IF B5CRR NOT = I10E GO TO B7-RD.
0199B	077240	GO TO BTAB-LK.
01999	078010 4.	
02000	07B020	ALTER ITAA TO PROCEED TO 41.
02001	078030	GO TO B7-OPEN.
02002	078040, 41.	William F William Introduct
02003	078050	IF IIOAR NOT = B3RA GO TO 67-RD.
02004	078060	IF IIOD NOT = N-B3 GO TO B7-RD.
02005	078DB0	GO TO BTAB-LK.

00001	001010 IDENTIFICATION OIVISION.	CM000036
00002	OOIO10 IDENTIFICATION OIVISION. OO1020 PROGRAM-ID. "CMOOOO36". OO1030 AUTHOR. J M ROSE. OO1040 ENVIRONMENT DIVISION. OO1050 CONFIGURATION SECTION.	CM000036
00003	001030 AUTHOR. J M ROSE.	CM000036
00004	001040 ENVIRONMENT DIVISION.	CM000036
00005	001050 CONFIGURATION SECTION.	CM000036
00006	001060 SOURCE-COMPUTER. 1BM-360 H50.	CM000036
00007	OO1050 CONFIGURATION SECTION. OO1060 SOURCE-COMPUTER. IBM-360 H50. OO1070 OBJECT-COMPUTER. IBM-360 H50.	CM000036
80000	OOLOBO INPUT-OUTPUT SECTION.	CM000036
00009	001090 FILE-CONTROL	CM000036
00010	OO1100 SELECT PAT-IN ASSIGN 'POO1' UTILITY.	CM000036
00011	OOLILO SELECT HK-IN ASSIGN 'HOOL' UTILITY.	CM000036
00012	OOI110 SELECT HK-IN ASSIGN 'HOOI' UTILITY.	CM000036
00013	001121 SELECT SHK-IN ASSIGN 'LOOI' UTILITY. 001122 SELECT OT-PAT ASSIGN 'DPOOL' UTILITY. 001123 SELECT OT-HK ASSIGN 'DPOOL' UTILITY.	CM000036
00014	OO1122 SELECT OT-PAT ASSIGN 'OPOOL' UTILITY.	
00015		
00016	SELECT A-FILE ASSIGN 'AFILEREC' UTILITY.	
00017	SFIECT A-HDTADE ASSIGN LATADEL HTHITTY.	
00018	001130 DATA DIVISION.	CM000036
00019		
00020	OO1150 FD PAT-IN RECORDING F BLOCK 1 RECORDS RECORD 133	CM000036
00021	001160 LABEL RECORDS STANDARD DATA RECORD PIN.	CM000036
00022	001170 01 PIN.	CM000036
00023	001160 LABEL RECUROS STANDARD DATA RECORD PIN. 001170 01 PIN. 001180 02 CCP PICTURE X.	CM000036
00024	001190 02 FILLERI PICTURE X(126).	
00025	001200	
00026	001210 02 PITM PICTURE XXXX.	
00027	002010 FD HK-IN RECORDING F BLOCK 1 RECOROS RECORO 133	CM000036
00028	002020 LABEL RECORDS STANDARD DATA RECORD HIN.	CM000036

00029	002030 01 HIN.	CM000036
00030	002030 01 HIN. 002040	CM000036
00030	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 FO SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133	CM000036
00030 00031 00032	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 FO SHK-IN RECORDING F BLOCK I RECORDS RECORD 133	CM000036 CM000036
00030 00031 00032 00033	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN.	CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN.	CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00037 00038	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN.	CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00037 00038	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00037 00038 00039	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 FO SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002080 02 FILLER PICTURE X. 002090 02 CPAR PICTURE X(39). 002100 02 FILLER PICTURE X(39). 002110 02 CDEV PICTURE X(39). 002120 02 FILLER PICTURE X(3). 002120 02 FILLER PICTURE X(3). 002130 02 CPT PICTURE X. 002140 02 FILLER PICTURE X.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00037 00038 00039 00040	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 FO SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002080 02 FILLER PICTURE X. 002090 02 CPAR PICTURE X(39). 002100 02 FILLER PICTURE X(39). 002110 02 CDEV PICTURE X(39). 002120 02 FILLER PICTURE X(3). 002120 02 FILLER PICTURE X(3). 002130 02 CPT PICTURE X. 002140 02 FILLER PICTURE X.	CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00039 00039 00040 00041	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 FO SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002080 02 FILLER PICTURE X. 002090 02 CPAR PICTURE X(39). 002100 02 FILLER PICTURE X(39). 002110 02 CDEV PICTURE X(39). 002120 02 FILLER PICTURE X(3). 002120 02 FILLER PICTURE X(3). 002130 02 CPT PICTURE X. 002140 02 FILLER PICTURE X.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00037 00038 00039 00040 00041 00042	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 FO SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN. 002080 02 FILLER PICTURE X. 002090 02 CPAR PICTURE X(9). 002100 02 FILLER PICTURE X(39). 002110 02 CDEV PICTURE X(19). 002120 02 FILLER PICTURE X. 002130 02 CPT PICTURE X. 002130 02 CPT PICTURE X. 002150 02 CUDC PICTURE XX. 002151 02 FILLER PICTURE XX. 002152 02 CUDCC PICTURE XXX.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00037 00038 00040 00041 00042	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 FO SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN. 002080 02 FILLER PICTURE X. 002090 02 CPAR PICTURE X(9). 002100 02 FILLER PICTURE X(39). 002110 02 CDEV PICTURE X(9). 002120 02 FILLER PICTURE X. 002130 02 CPT PICTURE X. 002130 02 FILLER PICTURE X. 002140 02 FILLER PICTURE XX. 002151 02 FILLER PICTURE XX. 002152 02 CUDC PICTURE XXX. 002153 02 FILLER PICTURE XXXX.	CM000036 CM000036 CM000036 CM000036
00030 00031 00032 00033 00034 00035 00036 00037 00038 00040 00041 00042 00043	002030 01 HIN. 002040 02 ALL-HIN PICTURE X(133). 002050 F0 SHK-IN RECORDING F BLOCK 1 RECORDS RECORD 133 002060 LABEL RECORDS STANDARD DATA RECORD CIN. 002070 01 CIN. 002080 02 FILLER PICTURE X. 002090 02 CPAR PICTURE X(9). 002110 02 CPAR PICTURE X(39). 002110 02 CDEV PICTURE X(39). 002120 02 FILLER PICTURE X(7). 002120 02 FILLER PICTURE X(7). 002130 02 CPT PICTURE X(7). 002140 02 FILLER PICTURE X(5). 002151 02 FILLER PICTURE XX. 002152 02 CUDC PICTURE XX. 002153 02 FILLER PICTURE XXX. 002154 02 CSIGC PICTURE XXX.	CM000036 CM000036 CM000036 CM000036
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00055	002182 003010 FD	02 FILLER PICTURE X(6). LISTT RECORDING F BLOCK 1 RECORDS RECORD 133	CM000036
00057	003010 FD	LABEL RECORDS STANDARD DATA RECORD LIT.	CM000036
00058	003030 D1	LIT.	CM000036
00059	003040	02 FILLER PICTURE X(133).	CM000036
00060	003050 FO	OT-PAT RECORDING F BLOCK 1 RECORDS RECORD 133 LABEL	
00061	<u>003060</u>	RECOROS STANOARO DATA RECORD OPOUT.	
00062	003070 01	OPOUT PICTURE X(133).	
00063	003080_F0 003090	OT-HK RECORDING F BLOCK 1 RECORDS RECORD 133 LABEL RECORDS STANDARO OATA RECORD OHOUT.	
00065			
00066	FD	OHOUT PICTURE X(133). A-UPTAPE RECORDING F BLOCK 1 RECORDS RECORD 80 LABEL RECORDS STANDARO DATA RECORD A-UPTAPER.	
00067		LABEL RECOROS STANDARO OATA RECORD A-UPTAPER.	.
00068	01,	A-UPTAPER PICTURE X(80).	
00069	FO	A-FILE RECORDING F BLOCK 45 RECORDS RECORD 80	
00070	01	LABEL RECORDS STANOARD OATA RECORD A-CARD. A-CARO PICTURE X(80).	
00071			CM000036
00075	004020 77	PEJECT PICTURE 99 COMPUTATIONAL-3 VALUE 51.	CM000036
00074	004030 77	LABENI PILIUME AXA VALUE SPALE.	
00075	004050 77	TSW1 PICTURE 9 VALUE 0. TSW2 PICTURE 9 VALUE 0. TSW3 PICTURE 9 VALUE 0.	
00076	004060 77	TSW2 PICTURE 9 VALUE 0.	
<u> 20077</u>	004070 77	TSN3 PICTURE 9 VALUE 0.	
00078	004080 77	TSW4 PICTURE 9 VALUE 0. 	
_000 <u>79</u> _00080	004090 <u>77</u> 004091 77		
00081	004092 77	J PICTURE 9 VALUE 0. K PICTURE 5999 VALUE 0.	
00082	004110 01	LISTW.	CN000036
00083	004120	OZ LCC PICTURE X. OZ FILLERZ PICTURE X(127).	CM000036
00084	004130	02 FILLER2 PICTURE X(127).	CM000036
00085	004140	02 FILLER2 PICTURE X(127). 02 FILLER PICTURE X(5) VALUE SPACE.	CM000036
00086	005010 01	010 41114	CM000036
00087 00088	005020 005030-	O2 FILLER PICTURE X(61) VALUE CAB FROM 1 TO WIREO .	·
00089	005030	02 FILLER PICTURE X(9) VALUE 1 ITEM .	
00090	005040	02 FILLER PICTURE X(63) VALUE SPACE.	- ———
00091	005050 01	CAG_I INC.	CM000036
00092	005060	02 FILLER PICTURE X(60) VALUE FAB TRANSDUC	ER
00093	005070-	OZ FILLER PICTURE X18) VALUE ONO.	
00094	005071	02 FILLER PICTURE X18) VALUE NO.	
00095 00096	005080 005090 01	02 FILLER PICTURE X(65) VALUE SPACE. CA8-HEAO. 02 FILLER PICTURE X(39) VALUE .	CM000036
00097	005100	02 FILLER PICTURE X(39) VALUE	0.1000000
00098	0C5110-	' CABLE FABS'.	
00099	005120	02 FILLER PICTURE X(94) VALUE SPACE.	
00100	005130 01	CAB-LIST.	CM000036
00101	005140	02 FILLER PICTURE X(9) VALUE SPACE.	CM000036
00102	005150	02 LCAB PICTURE XXXX.	C+1000074
00103	.005160	OZ LCAB PICTURE XXXX. OZ <u>Filler Picture X</u> (6) <u>val</u> ue <u>space.</u> GZ LPAR PICTURE X(9).	<u>rwinnana</u> @
00104 00105	005161 005162	02 LPAR PICTURE X(9). 02 FILLER PICTURE XXXX VALUE SPACE. 02 LOEV PICTURE X(9).	
00106	005170	02 LOEV PICTURE X(9).	CM000036
00107	005180	02 FILLER PICTURE XXX VALUE SPACE.	
00108	005190	02 LPT PICTURE X(7).	CM000036
_00109	005200	02 FILLER PICTURE X(5) VALUE SPACE.	CM000036
00110	005210	UZ COUC PICTURE ALD! VALUE SPACE.	CM000036
00111	005211	.02. FILLER PICTURE X(6) VALUE SPACE.	

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00112	005212	02 LITEM PICTURE XXXX.
	005220	02 FILLER PICTURE X163) VALUE SPACE.
	006010 01	AOUT-PRT. CM000036
	006020	02 FILLER PICTURE XIT) VALUE SPACES. CM000036
00116	006030	OZ FILLER PICTURE X(16) VALUE C CM000036
00117	006040	02 FILLER PICTURE XI12) VALUE FROM TO. CM000036
00118	006050	02 FILLER PICTURE XI48) VALUE SPACE. CM000036
00119	006060	02 FILLER PICTURE X(50) VALUE C FROM - CM000036
00120	006070-	• TO • • CM000036
00121	006080 01	AADUT-PRT. CM000036
00122	006090	02 FILLER PICTURE X(23) VALUE " ITEM C DEVICE ". CM000036
00123	006100	02 FILLER PICTURE X(15) VALUE POINT POINT. CM000036
00124	006110	OZ FILLER PICTURE X(39) VALUE SPACE. CM000036
00125	006120	O2 FILLER PICTURE X(56) VALUE "ITEM C DEVICE POINCMO00036
	006130-	*T PDINT *. CM000036
	007010 01	DOUT-PRT. CM000036
	007020	02 FILLER PICTURE X(27) VALUE ' PARAMETER C NOMENCLATURE '. CM000036
	007030	02 FILLER PICTURE X126) VALUE ' I-NO. DEVI'. CM000036
	007040	02 FILLER PICTURE XIZ6) VALUE 'CE POINT S.C. CARO'. CM000036
	007050	02 FILLER PICTURE X(26) VALUE ' CONO. COND. READOUT'. CM0000036
	007060	D2 FILLER PICTURE XI26) VALUE ' NO. FAB SK. NO C '. CM000036
	007070	02 FILLER PICTURE XI2) VALUE 1 1. CM000036
	007080 01	COUT-PRT. CM000036 02 FILLER PICTURE X127) VALUE C CM000036
	007090	O2 FILLER PICTURE X127) VALUE ' C '.CM000036 O2 FILLER PICTURE X126) VALUE ' TRAN '. CM000036
	007100 _. _	O2 FILLER PICTURE X126) VALUE ' TRAN '. CM000036 O2 FILLER PICTURE X126) VALUE 'CONNECTING WIREO UDC '. CM000036
	007120	O2 FILLER PICTURE X126) VALUE ' TRAN '. CM000036 O2 FILLER PICTURE X126) VALUE 'CONNECTING WIREO UDC '. CM000036 O2 FILLER PICTURE X126) VALUE 'SIG. SIG. '. CM000036
	007130	02 FILLER PICTURE X(26) VALUE ' TYP CAB LOC ITEM C '. CM000036
	007140	02 FILLER PICTURE XX VALUE SPACE. CM000036
00141	007150 01	GOUT-PRT.
7 1 2 7 2	007150 01 007160	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1
00142		GOUT-PRT.
00142 00143 00144	007160	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE.
00142 00143 00144 00145	007160 007170- 007180 007190	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE PATCHING - P82
00142 00143 00144 00145 00146	007160 007170- 007180 007190 007200-	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE PATCHING - P82
00142 00143 00144 00145 00146 00147	007160 007170- 007180 007190 007200- 007210	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE PATCHING - P82 O2 FILLER PICTURE X(22) VALUE SPACE.
00142 00143 00144 00145 00146 00147 00148	007160 007170- 007180 007190 007200- 007210 007220 01	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE PATCHING - PB2 O2 FILLER PICTURE X(31) VALUE PATCHING - P82 O2 FILLER PICTURE X(22) VALUE SPACE. FOUT-PRT.
00142 00143 00144 00145 00146 00147 00148 00149	007160 007170- 007180 007190 007200- 007210 007220 01 007230	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE PATCHING - P82 O2 FILLER PICTURE X(22) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE.
00142 00143 00144 00145 00146 00147 00148 00149	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE PATCHING - P82 O2 FILLER PICTURE X(22) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE HOOKUP INFORMATION
00142 00143 00144 00145 00146 00147 00148 00149 00150	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE ' PATCHING - P82 O2 FILLER PICTURE X(22) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE X(54) VALUE SPACE.
00142 00143 00144 00145 00146 00146 00148 00149 00150 00151	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE ' PATCHING - PB2 O2 FILLER PICTURE X(31) VALUE ' PATCHING - P82 O2 FILLER PICTURE X(22) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE X(54) VALUE SPACE. LISTER.
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE X(54) VALUE SPACE. LISTER. O2 FILLER PICTURE X(171).
00142 00143 00144 00145 00146 00146 00149 00150 00151 00152 00153 00154	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE PATCHING - P82 O2 FILLER PICTURE X(22) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE PACE. O2 FILLER PICTURE X(25) VALUE PACE. LISTER. O2 FILLER PICTURE X(1117). O2 ILLER4 PICTURE X(1117).
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152 00153 00154	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE X(54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI117). O2 ILLER4 PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152 00153 00154 00156	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240 007250	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(22) VALUE SPACE. O2 FILLER PICTURE X(24) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE X(34) VALUE SPACE. LISTER. O2 FILLER PICTURE XI1171. O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152 00153 00154 00156	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240 007250	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE XI54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI1177. O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX. O2 FILLER PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152 00153 00154 00155	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240 007250	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(22) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HODKUP INFORMATION '. O2 FILLER PICTURE X(154) VALUE SPACE. LISTER. O2 FILLER PICTURE XI117). O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00150 00151 00152 00153 00154 00155 00156 00157 00158	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240 007250	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(45) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(22) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HODKUP INFORMATION '. O2 FILLER PICTURE X(154) VALUE SPACE. LISTER. O2 FILLER PICTURE XI117). O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00150 00151 00152 00153 00154 00155 00156 00157 00158	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240 007250	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE ' PATCHING - PB2 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(32) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(55) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE XI54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI117). O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152 00153 00154 00156 00157 00158 00159 00161 00161	007160 007170- 007180 007190 007200- 007210 007220 01 007240 007240 007250 01	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE ' PATCHING - PB2 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(32) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE XI54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI1171. O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX. O3 FILLER PICTURE XX. O4 FILLER PICTURE XX. O5 FILLER PICTURE XX. O6 FILLER PICTURE XX. O7 FILLER PICTURE XX. O8 FILLER PICTURE XX. O9 FILLER PICTURE XX. O1 FILLER PICTURE XX. O2 FILLER PICTURE XX. O3 FILLER PICTURE XX. O4 FILLER PICTURE XX. O5 FILLER PICTURE XX. O6 FILLER PICTURE XX. O7 FILLER PICTURE XX. O8 FILLER PICTURE XX. O8 FILLER PICTURE XX. O9 FILLER PICTURE XX. O1 FILLER PICTURE XX. O1 FILLER PICTURE XX. O2 FILLER PICTURE XX. O3 FILLER PICTURE XX. O4 FILLER PICTURE XX. O5 FILLER PICTURE XX. O6 FILLER PICTURE XX. O7 FILLER PICTURE XX. O8 FILLER PICTURE XX. O8 FILLER PICTURE XX. O9 FILLER PICTURE XX. O9 FILLER PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00150 00151 00152 00153 00154 00155 00156 00157 00158 00159 00160 00161	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240 007250 01	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(32) VALUE SPACE. FDUT-PRT. O2 FILLER PICTURE X(25) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE XI54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI117). O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XXX. O3 FILLER PICTURE XXX. O4 FILLER PICTURE XXX. O5 FILLER PICTURE XXX. O6 FILLER PICTURE XXX. O7 FILLER PICTURE XXX. O8 FILLER PICTURE XXX. O9 FILLER PICTURE XXX. O1 FILLER PICTURE XXX. O2 FILLER PICTURE XXX. O3 FILLER PICTURE XXX.
00142 00143 00144 00145 00146 00147 00148 00150 00151 00152 00153 00154 00155 00156 00157 00158 00160 00161 00162	007160 007170- 007180 007190 007200- 007210 007220 01 007230 007240 007250 01	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE X(54) VALUE SPACE. LISTER. O2 FILLER PICTURE X(1117). O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX. O3 FILLER PICTURE XXX. O4 FILLER PICTURE XXX. O5 FILLER PICTURE XXX. O6 FILLER PICTURE XXX. O7 FILLER PICTURE XXX. O8 FILLER PICTURE XXX. O9 FILLER PICTURE XXX. O1 FILLER PICTURE XXX. O2 FILLER PICTURE XXX. O3 TP PICTURE XI9) OCCURS 100. O3 TP PICTURE X(4) OCCURS 100.
00142 00143 00144 00145 00146 00147 00148 00150 00151 00152 00153 00155 00155 00155 00156 00157 00158 00160 00161	007160 007170- 007180 007190 007200- 007210 007220 01 007240 007250 01 01 008010 01 008020 008030 008040 008050	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(32) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE XI54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI117). O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX. O3 TLUER3 PICTURE XX. O4 FILLER PICTURE XX. O5 FILLER PICTURE XX. O6 FILLER PICTURE XX. O7 FILLER PICTURE XX. O8 FILLER PICTURE XX. O9 TILLER1 PICTURE XX. O9 TILLER1 PICTURE XX. O1 THE PICTURE XX.
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152 00153 00154 00155 00156 00157 00158 00160 00161 00162	007160 007170- 007180 007190 007200- 007210 007220 01 007240 007250 01 008010 01 008020 008030 008040 008050 008060 01	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(32) VALUE SPACE. FOUT-PRT. O2 FILLER PICTURE X(25) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE XI54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI1177. O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX. O3 FILLER PICTURE XX. O4 FILLER PICTURE XX. O5 FILLER PICTURE XX. O6 FILLER PICTURE XX. O7 FILLER PICTURE XX. O8 FILLER PICTURE XX. O9 FILLER PICTURE XX. O1 FILLER PICTURE XX. O2 FILLER PICTURE XX. O3 TP PICTURE XI9) OCCURS 100. O3 TA PICTURE 913) OCCURS 100. DHEAD1.
00142 00143 00144 00145 00146 00147 00148 00149 00150 00151 00152 00153 00154 00155 00156 00157 00160 00161 00162 00163 00164 00165 00165	007160 007170- 007180 007190 007200- 007210 007220 01 007240 007250 01 01 008010 01 008020 008030 008040 008050	GOUT-PRT. O2 FILLER PICTURE X(34) VALUE ' PATCHING - PB1 O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(31) VALUE SPACE. O2 FILLER PICTURE X(32) VALUE SPACE. O2 FILLER PICTURE X(54) VALUE SPACE. O2 FILLER PICTURE X(25) VALUE ' HOOKUP INFORMATION '. O2 FILLER PICTURE XI54) VALUE SPACE. LISTER. O2 FILLER PICTURE XI117). O2 ILLER4 PICTURE XX. O2 FILLER PICTURE XX. O3 TLUER3 PICTURE XX. O4 FILLER PICTURE XX. O5 FILLER PICTURE XX. O6 FILLER PICTURE XX. O7 FILLER PICTURE XX. O8 FILLER PICTURE XX. O9 TILLER1 PICTURE XX. O9 TILLER1 PICTURE XX. O1 THE PICTURE XX.

00169	-080800	'ET PROJECT SHE	ET OF L.
00170	008090	02 FILLER PICTURE X(55) VALUE SPAC	
00171	008100 01	DHEA02.	•
00172	008101	02 FILLER PICTURE X(4) VALUE SPAC	E.
00173	008110	02 FILLER PICTURE X(6) VALUE SCAN	<u>'*</u>
00174	008120	OZ FILLER PICTURE X(19) VALUE SPACE.	
00175	008130	02 FILLER PICTURE X(4) VALUE "ITEM"	<u> </u>
00176	008140	02 FILLER PICTURE X(29) VALUE SPACE.	
00177	008150	02 FILLER PICTURE X(4) VALUE "AMP."	•
00178	008160	02 FILLER PICTURE X(56) VALUE SPAC	E.
00179	_008170_01	DHEAD3.	
00180	008171	02 FILLER PICTURE X(4) VALUE SPAC 02 FILLER PICTURE X(73) VALUE SEC	E
00181		02 FILLER PICTURE X(73) VALUE ' SEC	PARAMETER NU.
00182	008190-		REMARKS .
00183	008200	02 FILLER PICTURE X(55) VALUE SPAC	E
00184	009010 01	OGLIST.	
00185	009020	02 FILLER PICTURE X(6) VALUE SPAC 02 DGSS PICTURE 999.	<u>.</u>
00187	009040	02 FILLER PICTURE X(6) VALUE SPACE.	
00188	009050 -	02 FILLER PICTURE X(6) VALUE SPACE. 02 DGPAR PICTURE X(9).	
00189	009060	02 FILLER PICTURE X(5) VALUE SPACE.	
00190	009070	02 OGIT PICTURE Y/A).	
00191	009080	02 FILLER PICTURE X(29) VALUE SPACE	
00192	009090	02 OGAN PICTURE 999.	×
00193	009100	02 OGAM PICTURE 999. 02 FILLER PICTURE X(67) VALUE SPAC	E.
		CEDURE DIVISION.	CM000035
00195	008020 8EG	P.	CM000036
00196	008021	NOVE 1 TO J.	
00197	008022	NOVE -1 TO K.	
00198	008023	MOVE -1 TO K. PERFORM DOTAS VARYING I FROM 1 BY 1 UN	ITIL I = 101.
00199	008024	NOVE 2 TO J	, , .
00200	008025	MOVE 399 TO K	
00201	008026	PERFORM DOTAS VARYING I FROM 1 8Y 1 UN	ITIL 1 = 101.
00202	008027	MOVE 3 TO J	
_00203	008028	MOVE 99 TO K PERFORM OOTAS VARYING I FROM 1 BY 1 UM MOVE 4 TO J	
00204	008029	PERFORM ODTAS VARYING I FROM 1 BY 1 UM	ITIL I = 101.
00205	008030	<u> </u>	
00206	008031	MOVE 399 TO K	
00207	008032	PERFORM ODTAS VARYING I FROM 1 BY 1 UM	ITIL I = 101.
	**008021	OPEN DUTRUT OT-PAT.	D D-15CT CM00034
00209	008030 008031 DOI	OPEN INPUT PAT-IN OUTPUT LISTT. GO 1	D balecii
00210	008032		
00212	008033	MOVE K TO TA (). I).	
00212	008034	MOVE K TO TA (J, I). MOVE SPACE TO TP (J, I) T1 (J, I). D-P.	
00214	008040 9F	D-P.	CN000036
00215	008050	READ PAT-IN AT END GO TO BEGH.	CN000036
00216	008060	NOVE FILLER1 TO FILLER2.	CMD00036
00217	008070	WRITE LIT FROM LISTW AFTER 2.	CN000036
00218	008071	WRITE OPOUT FROM PIN.	
00219	008080	ADD 2 III PEJECI.	CN000036
00220	008100 P-	ECT.	CM000036
00221	008110	IF PEJECT > 50 WRITE LIT FROM GOUT-PE	T AFTER 0 CMD00036
00222	008120	MRITE LIT FROM AQUT-PRT AFTER 2	CM000036
00223	008130	MRITE LIT FROM AGUT-PRT AFTER 2 MRITE LIT FROM AGGUT-PRT AFTER 1	CM000036
00224	008140	MOVE O TO PEJECT.	CM000036
00225	008150	GO TO READ-P.	CM000036

00226	008160	BEGH.	CM000036
00227	008170	CINCE DAT_THE MAVE ET TO DETECT	CM000036
00228	008171	CLOSE OT-PAT OPEN OUTPUT OT-HK. OPEN INPUT HK-IN. GO TO H-JECT.	
00229	008180		CM000036
00230		READ-H.	CM000036
00231	008200	READ HK-IN AT END GO TO BEGLH.	CM000036
00232	008210	MOVE ALL-HIN TO LISTER. MOVE SPACE TO ILLER! ILLER? ILLER3 ILLER4. MPITE LIT EROM LISTER AFTER 2.	•
00233	008211	MOVE SPACE TO ILLERI ILLERY ILLERS ILLER4.	
00235	008220 008221	WRETE EST TROM ESSIER RITER ES	
00236	008221		CM000036
00237		AOD 2'TO PEJECT.	CM000036
00238	009020	IF PEJECT > 50 WRITE LIT FROM FOUT-PRT AFTER 0	CM000036
00239	009030	WRITE LIT FROM COUT-PRT AFTER 2	CM000036
00240	009040	WRITE LIT FROM GOUT-PRY AFTER 1	
00241	009050	MOVE O TO PEJECT.	CM000036
00242	009060		CM000036
00243		BEGLH.	CM000036
00244	009080	CLOSE HK-IN.	
00245	009081		
00246	009090	CLOSE OT-HK. OPEN INPUT SHK-IN. MOVE 51 TO PEJECT. GO TO L-JECT. READ-L.	CM000036
00247		MOVE 51 TO PEJECT. GO TO L-JECT.	
00248	009120	READ-L.	CM000036
00249	009130	READ SHK-IN AT END GO TO EOF.	CM000036
00250	009131	PERFORM OGTAL THRU DEX.	
00251	009140	IF CCA8 = SPACE GO TO READ-L.	CM000036
00252	009150	HOVE CCAS TO LCAS.	CM000036
00253	009151	MOVE CPAR TO LPAR.	
00254	009152	MOVE CPAR TO LPAR. MOVE CITEM TO LITEM MOVE COEV TO LOEV. MOVE CPT TO LPT. MOVE CUDC TO LUCC.	
00255	009160	MOVE COEV TO LOEV.	CM000036
00256	009170	MOVE CPT . TO LPT.	<u>CM0</u> 000 <u>3</u> 6
00257	009180	MOVE CUDC TO LUOC. IF CUOC = SPACE MOVE CSIGC TO LUOC. WRITE LIT FROM CAB-LIST AFTER 2.	CM000036
00258	009181	IF CUCC = SPACE MOVE CSIGC TO LUCC.	
00259	009190	WRITE LIT FROM CAB-LIST AFTER 2.	CM000036
00260	009200	A00 2 TO PEJECT.	CM000036
00261		L-JECT. IF PEJECT > 50 WRITE LIT FROM CA8-HEAO AFTER Q WRITE LIT FROM CA8-LINE AFTER 2 WRITE LIT FROM FAB-LINE AFTER 1 MOVE O TO PEJECT. GO TO READ-L.	CM000036
00262	009220	IF PEJECT > 50 WRITE LIT FRUM CAB-HEAD AFTER O	
00263	009230	WRITE LIT FROM CAB-LINE AFTER 2	CM000036
00264	009240	WRITE LIT FROM FAB-LINE AFTER 1	CM000036
00265	009250	MUVE U IN PEJECT. GU TU KEAU-L.	CM000036
00266	010010	OPEN I-O A-FILE. OPEN OUTPUT A-UPTAPE. A-PED.	LM000038
00267 00268		A-PED.	
00269		A-PED. READ A-FILE AT ENG GO TO A-PEDENG.	
00270		WRITE A-UPTAPER FROM A-CARD.	
00271		GO TO A-PEO.	
00272		A-PEDEND.	
00273	014	PERFORM TAKOUT THRU TEX	•
00274	•••	CLOSE A-FILE A-UPTAPE.	
	**010020	CLOSE SHK-IN LISTT	CM000036
00276	010030	STOP RUN.	CM000036
00277		DGTAL.	
00278	011020		
00279	011030		
00280	011040	1F RRT2 < 200 GO TO 06200.	
00281	011050	IF RRT2 < 400 GO TO 0G400.	
00282	011060	IF RRT2 > 499 GO TO OG500. MOVE 2 TO J MOVE 0 TO I.	

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PERFORM INTO THRU INX.
                                                  MOVE 4 TO J MOVE 0 TO 1.
 00283
          011070
                      PERFORM INTO THRU INX.
00284
          011080
 00285
                      NOVE 1 TO TSW2 TSW4.
          011090
00286
          011100
                      GO TO DEX.
00287
          011110 INTB.
                          ADO 1 TO 1.
                      IF 1 > 100 OISPLAY 'I>100' GO TO INX.
00288
          011120
                      IF TA (J. I) = RRT2 HOVE CPAR TO TP (J. I)
 00289
          011130
                           MOVE CITEM TO TI IJ. I) GO TO INX.
 00290
          011140
 00291
          011150
                      GO TO INTB.
00292
          OLLIGO INX.
                        EXIT.
 00293
          011170 OG100.
                      MOVE O TO I. MOVE 1 TO J.. PERFORM INTO THRU INX. MO
 00294
          011180
 00295
          011190
                                                  MOVE 1 TO TSWI.
                      GO TO DEX.
 00296
          011200
00297
          011210 DG200
                      MOVE O TO 1. MOVE 3 TO J. PERFORM INTB THRU INX.
00298
          011220
 00299
          011230
                      MOVE 1 TO TSW3.
00300
          011240
0030I
          011250
                      GO TO DEX.
00302
          012010 06400.
                      OISPLAY '200<RTT2<400'
          012020
00303
                      GO TO DEX.
00304
          012030
_00305
          012040 DG500.
00306
          012050
                      DISPLAY 'READOUT TOO LARGE'.
00307
          012060 DEX.
                        EXIT.
          013010 TAKOUT.
00308
                      MOVE O TO K.
00309
          013020
00310
          013030
                      IF TSW1 = 1 PERFORM WHOS
00311
          013040
                           PERFORM WIAB VARYING I FROM 1 BY 1 UNTIL I > 100.
00312
          013050
          013060
                      IF TSW2 NOT = I GO TO CKSW3.
00313
                      IF TSW1 NOT = I GD TD CKSW3.
IF TSW3 NOT = 1 GD TD CKSW4.
00314
          013070
          013080
00315
                      MOVE 2 TO J.
PERFORM WHOS.
00316
          013090
00317
          013100
                      PERFORM WIAB VARYING I FROM 1 BY 1 UNTIL I > 100.
00318
          013110
          013120 CKSN3
00319
          013130
                      MOVE 3 TO J
00320
                      IF TSU3 = 1 PERFORM WHDS

PERFORM WTAB VARYING | FROM 1 BY | UNTIL | > 100.
0032 L
          013140
00322
          013150
00323
          013160 CKSW4
                      MOVE 4 TO J
00324
          013170
                    IF TSW4 = I PERFORM WHOS
00325
          013180
                          PERFORM WTAB VARYING I FROM I BY 1 UNTIL I > 100.
00326
          C13190
          013200 TEX.
00327
                      EXIT.
00328
          013210
00329
          013220 WTAB.
                      ADO I TO K.
 00330
          013230
                      MOVE K TO DGSS.
IF PEJECT = 25 PERFORM WHOS.
00331
          013240
00332
          014050
                      MOVE TA (J, I) TO OGAN.
00333 **013250
                      MOVE TP (J, I) TO OGPAR.
00334
          014010
                      MOVE TI (J, I) TO OGIT.
WRITE LIT FROM OGLIST AFTER 2.
ADD I TO PEJECT
00335
          014020 _
00336
          014030
00337 014040
         014060 WHOS.
00338
00339. 014070
                      WRITE LII FROM DHEAD1 AFTER O. .
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00340 014080 WRITE LIT FROM DHEAD2 AFTER 2. 00341 014090 WRITE LIT FROM DHEAD3 AFTER 1. 00342 014100 MOVE 0 TO PEJECT. 1_

DODGI				
00003 00103 AUTHOR, ROSE, CM000085 00004 001031 DATE-MRITTEN, FEB, 1968. 00005 001032 GATE-CMPILED, JAN 23,1970 00006 00104 ENVIRONMENT DIVISION. 00008 00105 CONFEGURATION SECTION. 00008 00106 SOURCE-COMPUTER, 18M-360. 00008 00107 00107 08JEET-COMPUTER, 18M-360. 00010 00108 INPUT-OUTPUT SECTION. 00010 00110 00109 FILE-CONTROL. 00011 00109 FILE-CONTROL. 00112 SELECT I-FILE ASSIGN 'MOI' UTILITY. 00113 O0113 SELECT A-FILE ASSIGN 'MOI' UTILITY. 00114 O0115 SELECT A-FILE ASSIGN 'MOI' UTILITY. 00115 O0115 SELECT A-FILE ASSIGN 'MOI' UTILITY. 00116 O0116 SELECT A-MORR ASSIGN 'MOI' UTILITY. 00117 O0117 SELECT B-MORR ASSIGN 'MOI' UTILITY. 00118 O0118 SELECT C-MORR ASSIGN 'MOI' UTILITY. 00119 O0119 SELECT HONOR ASSIGN 'MOI' UTILITY. 00110 00119 SELECT HONOR ASSIGN 'MOI' UTILITY. 00110 00119 SELECT HONOR ASSIGN 'MOI' UTILITY. 00110 00121 SELECT HONOR ASSIGN 'MOI' UTILITY. 00111	00001	00101		
00003 00103 AUTHOR, ROSE, CM000085 00004 001031 DATE-MRITTEN, FEB, 1968. 00005 001032 GATE-CMPILED, JAN 23,1970 00006 00104 ENVIRONMENT DIVISION. 00008 00105 CONFEGURATION SECTION. 00008 00106 SOURCE-COMPUTER, 18M-360. 00008 00107 00107 08JEET-COMPUTER, 18M-360. 00010 00108 INPUT-OUTPUT SECTION. 00010 00110 00109 FILE-CONTROL. 00011 00109 FILE-CONTROL. 00112 SELECT I-FILE ASSIGN 'MOI' UTILITY. 00113 O0113 SELECT A-FILE ASSIGN 'MOI' UTILITY. 00114 O0115 SELECT A-FILE ASSIGN 'MOI' UTILITY. 00115 O0115 SELECT A-FILE ASSIGN 'MOI' UTILITY. 00116 O0116 SELECT A-MORR ASSIGN 'MOI' UTILITY. 00117 O0117 SELECT B-MORR ASSIGN 'MOI' UTILITY. 00118 O0118 SELECT C-MORR ASSIGN 'MOI' UTILITY. 00119 O0119 SELECT HONOR ASSIGN 'MOI' UTILITY. 00110 00119 SELECT HONOR ASSIGN 'MOI' UTILITY. 00110 00119 SELECT HONOR ASSIGN 'MOI' UTILITY. 00110 00121 SELECT HONOR ASSIGN 'MOI' UTILITY. 00111	00002	00102	PROGRAM-ID. *CM000085*.	CM000085
00005 00104 ENTROMENT DIVISION	00003		AUTHOR. RDSE.	CM000085
DODGE DOLGE ENVIRDNMENT DIVISION CM000085 DOLGE COMPUTER IBM-360 CM00085 DOLGE COMPUTER IBM-360 CM00085 DOLGE COMPUTER IBM-360 CM00085 CM000085 DOLGE COMPUTER IBM-360 CM000085	00004	001031	DATE-WRITTEN. FEB. 1968.	
DODGO	00005	001032	DATE-COMPILED, JAN 23,1970	
DODGE DOLGE SQURGE-COMPUTER 18M-360. CM00085 DODGE DOLGE CM00085 CM000085 CM000				
00010 00108 INPUT-DUTPUT SECTION. CH000085 00011 00109 FILE-COMPUTER. IBM-360. CH000085 00012 00112 SELECT I-FILE ASSIGN 'IDO1' UTILITY. CH000085 00013 00113 SELECT B-FILE ASSIGN 'ADO1' UTILITY. CH000085 00015 00115 SELECT A-FILE ASSIGN 'ADO1' UTILITY. CH000085 00016 00116 SELECT A-FILE ASSIGN 'ADO1' UTILITY. CH000085 00017 00117 SELECT B-HORK ASSIGN 'ADO1' UTILITY. CH000085 00018 00118 SELECT C-FILE ASSIGN 'EDO1' UTILITY. CH000085 00017 00117 SELECT B-HORK ASSIGN 'ADO1' UTILITY. CH000085 00018 00118 SELECT B-HORK ASSIGN 'EDO1' UTILITY. CH000085 00019 00119 SELECT HORK ASSIGN 'EDO1' UTILITY. CH000085 00010 00119 SELECT HORK ASSIGN 'H001' UTILITY. CH000085 00021 00120 SELECT HORK ASSIGN 'P001' UTILITY. CH000085 00022 00122 SELECT HORK ASSIGN 'H001' UTILITY. CH000085 00022 00122 SELECT HORK ASSIGN 'H001' UTILITY. CH000085 00023 00124 SELECT H-HORG ASSIGN 'H001' UTILITY. CH000085 00023 00122 SELECT H-PATCH ASSIGN 'H001' UTILITY. CH000085 00023 00124 SELECT H-PATCH ASSIGN 'H001' UTILITY. CH000085 00024 00125 SELECT H-PATCH ASSIGN 'H001' UTILITY. CH000085 00025 00126 DATA OIVISION. CH000085 00026 00127 FILE SECTION. CH000085 00027 00120 DATA OIVISION. CH000085 00028 00202 RECORDS ONITTED DATA RECORDS RECORD 80 LABEL CH000085 00029 00202 RECORDS ONITTED DATA RECORDS I-CARD A-CARD B-CARD C-CARD CH000085 00030 00203 01 0-CARD. CH000085 00031 01 0-CARD. CH000085 00032 00206 02 FILLER PICTURE X(T). CH000085 00033 00213 01 -CARD. CH000085 00034 00215 02 FILLER PICTURE X(T). CH000085 00035 00215 02 FILLER PICTURE X(T). CH000085 00036 00301 01 A-CARD. CH000085 00037 00300 00201 02 CARD. CH000085 00038 00301 02 CARD. PICTURE X(T). CH000085 00039 00301 02 CARD. PICTURE X(T). CH000085 00034 00305 01 B-CARD. CH000085 00035 00310 02 A1D PICTURE X(T). CH000085 00040 00305 01 C-CARD. CH000085 00040 00315 02 COD PICTURE XXXX. CH000085 00040 00	00007	00105		
00010 00108 INPUT-DUTPUT SECTION. CH000085 00011 00109 FILE-COMPUTER. IBM-360. CH000085 00012 00112 SELECT I-FILE ASSIGN 'IDO1' UTILITY. CH000085 00013 00113 SELECT B-FILE ASSIGN 'ADO1' UTILITY. CH000085 00015 00115 SELECT A-FILE ASSIGN 'ADO1' UTILITY. CH000085 00016 00116 SELECT A-FILE ASSIGN 'ADO1' UTILITY. CH000085 00017 00117 SELECT B-HORK ASSIGN 'ADO1' UTILITY. CH000085 00018 00118 SELECT C-FILE ASSIGN 'EDO1' UTILITY. CH000085 00017 00117 SELECT B-HORK ASSIGN 'ADO1' UTILITY. CH000085 00018 00118 SELECT B-HORK ASSIGN 'EDO1' UTILITY. CH000085 00019 00119 SELECT HORK ASSIGN 'EDO1' UTILITY. CH000085 00010 00119 SELECT HORK ASSIGN 'H001' UTILITY. CH000085 00021 00120 SELECT HORK ASSIGN 'P001' UTILITY. CH000085 00022 00122 SELECT HORK ASSIGN 'H001' UTILITY. CH000085 00022 00122 SELECT HORK ASSIGN 'H001' UTILITY. CH000085 00023 00124 SELECT H-HORG ASSIGN 'H001' UTILITY. CH000085 00023 00122 SELECT H-PATCH ASSIGN 'H001' UTILITY. CH000085 00023 00124 SELECT H-PATCH ASSIGN 'H001' UTILITY. CH000085 00024 00125 SELECT H-PATCH ASSIGN 'H001' UTILITY. CH000085 00025 00126 DATA OIVISION. CH000085 00026 00127 FILE SECTION. CH000085 00027 00120 DATA OIVISION. CH000085 00028 00202 RECORDS ONITTED DATA RECORDS RECORD 80 LABEL CH000085 00029 00202 RECORDS ONITTED DATA RECORDS I-CARD A-CARD B-CARD C-CARD CH000085 00030 00203 01 0-CARD. CH000085 00031 01 0-CARD. CH000085 00032 00206 02 FILLER PICTURE X(T). CH000085 00033 00213 01 -CARD. CH000085 00034 00215 02 FILLER PICTURE X(T). CH000085 00035 00215 02 FILLER PICTURE X(T). CH000085 00036 00301 01 A-CARD. CH000085 00037 00300 00201 02 CARD. CH000085 00038 00301 02 CARD. PICTURE X(T). CH000085 00039 00301 02 CARD. PICTURE X(T). CH000085 00034 00305 01 B-CARD. CH000085 00035 00310 02 A1D PICTURE X(T). CH000085 00040 00305 01 C-CARD. CH000085 00040 00315 02 COD PICTURE XXXX. CH000085 00040 00			SOURCE-COMPUTER. IBM-360.	
00011 00119 FILE-CONTROL. 00012 00112 SELECT I-FILE ASSIGN '1001' UTILITY. CM000085 00013 00113 SELECT A-FILE ASSIGN 'A001' UTILITY. CM000085 00014 00115 SELECT B-FILE ASSIGN 'A001' UTILITY. CM000085 00015 00115 SELECT C-FILE ASSIGN 'C001' UTILITY. CM000085 00016 00116 SELECT C-HURK ASSIGN 'A001' UTILITY. CM000085 00017 00117 SELECT B-WORK ASSIGN 'A001' UTILITY. CM000085 00018 00118 SELECT C-WORK ASSIGN 'BW01' UTILITY. CM000085 00019 00119 SELECT D-WORK ASSIGN 'BW01' UTILITY. CM000085 00010 00110 SELECT C-WORK ASSIGN 'WD01' UTILITY. CM000085 00020 00120 SELECT PATCH ASSIGN 'P001' UTILITY. CM000085 00021 00121 SELECT M-MOOR ASSIGN 'P001' UTILITY. CM000085 00022 00122 SELECT M-MOOR ASSIGN 'MW01' UTILITY. CM000085 00023 00124 SELECT M-PATH ASSIGN 'WM01' UTILITY. CM000085 00024 00125 SELECT M-PATH ASSIGN 'WM01' UTILITY. CM000085 00025 00126 DATA DIVISION. CM000085 00026 00127 FILE SECTION. CM000085 00027 00201 TD I-FILE RECORDING F BLOCK I RECORDS RECORD 80 LABEL CM000085 00028 00202 RECORDS OMITTED DATA RECORDS I-CARD A-CARD 8-CARD C-CARD CM000085 00031 00204 0202 RECORDS OMITTED DATA RECORDS I-CARD A-CARD 8-CARD C-CARD CM000085 00033 00215 02 FILLER PICTURE X(71). CM000085 00035 00215 02 FILLER PICTURE X(71). CM000085 00036 00216 02 FILLER PICTURE X(71). CM000085 00037 00300 0203 01 0-CARD. CM000085 00038 00301 01 A-CARD. CM000085 00039 00300 020 02 A10 PICTURE XXXX. CM000085 00039 00300 020 02 A10 PICTURE XXXX. CM000085 00040 00305 01 A-CARD. CM000085 00040 00305 01 B-CARD. CM000085 00040 00305 01 C-CARD. CM000085 00040 00305 01 FO A-FILE RECORDING F BLOCK 45 RECORDS RECORD AIN. CM000085 00040 00305 01 C-CARD. CM000085 00040 00305 01 C-CARD. CM000085 00040 00305 01 FO A-FILE RECORDING F BLOCK 45 RECORDS RECORD AIN. CM000085 00040 00305 01 FO A-FILE RECORDING F BLOCK 45 RECORDS RECORD AIN. CM000085 00040 00305 00404 02 A1 PICTURE XXXX.	00009	00107	OBJECT-COMPUTER. IBM-360.	
OOD	00010			
OOO13				
ODD14				
DODIES DOLIES SELECT C-FILE ASSIGN COOI UTILITY CM000085 DODIES DOLIES SELECT A-MORK ASSIGN AMOI UTILITY CM000085 DODIES DOLIES SELECT B-MORK ASSIGN AMOI UTILITY CM000085 DODIES DOLIES SELECT B-MORK ASSIGN CM01 UTILITY CM000085 DODIES DOLIES SELECT H-MORK ASSIGN CM01 UTILITY CM000085 DODIES DOLIES SELECT H-MORK ASSIGN MO01 UTILITY CM000085 DODIES SELECT HE-OUT ASSIGN DODIES UTILITY CM000085 DODIES DOLIES SELECT HE-OUT ASSIGN DODIES UTILITY CM000085 DODIES DOLIES SELECT HE-OUT ASSIGN DODIES UTILITY CM000085 DODIES DOLIES SELECT PI-OUT ASSIGN DODIES UTILITY CM000085 DODIES DOLIES DO				
OOO16				
DODG				
DOD18				
OO19				
OOD OOD OOD SELECT PATCH ASSIGN POOL UTILITY.				
DOUZE DOUZE SELECT M-PATH ASSIGN MPOI UTILITY CHOOUGES				
DOUZE DOUZE SELECT M-PATH ASSIGN MPOI UTILITY CHOOUGES			SELECT PATCH ASSIGN 'POOL' UTILITY.	
OO23			SELECT M-HORK WRIGH AMOT, MITTIA.	
O0024 O0125 O0126 DATA DIVISION OP01 UTILITY UTILITY O000085			SELECT N-PATH ASSIGN 'WPOI' UTILITY.	
O0025				
O0026				
ODU-				
O0028 O0202 RECORDS OMITTED DATA RECORDS I-CARD A-CARO 8-CARO C-CARO CM000085 O0203 O1 O-CARO CM000085 O0303 O1 O-CARO CM000085 O0303 O1 O-CARO O2 OPTN PICTURE X(7) CM000085 O0303 O0206 O2 FILLER PICTURE X(73) CM000085 O0303 O0213 O1 I-CARO CM000085 O0304 O0214 O2 OELPARM PICTURE X(9) CM000085 O0305 O0215 O2 FILLER PICTURE X(71) CM000085 O0305 O0215 O2 FILLER PICTURE X(71) CM000085 O0306 O0301 O1 A-CARD CM000085 O0306 O0301 O1 A-CARD CM000085 O0307 O0302 O2 A1D PICTURE XXXX O0038 O0309 O0304 O2 FILLER PICTURE X(75) O0040 O0305 O1 8-CARD CM000085 O0040 O0305 O1 8-CARD CM000085 O0041 O0306 O2 B1D PICTURE XXXX CM000085 O0042 O0307 O2 B2D PICTURE PICTURE PICTURE O0040 O0307 O2 B2D PICTURE O0040 O0308 O2 B3D PICTURE O0040 O0308 O2 B1D PICTURE O0040 O0308 O0408 O0314 O2 C40 PICTURE O004085 O0040 O0315 O2 C50 PICTURE O004085 O0040				
O0029				
DO030				
DOUGH				
OD032 OD206 O2 FILLER PICTURE X(73). CM000085				
ODD				
O0034 O0214 O2 OELPARM PICTURE X(9).				
OD035		_		
DO036				
O0037				
ODD38				011000007
ODD			IT WILL LILLAR INVEST	CM000085
00040 00305 01 B-CARD. CM000085 00041 00306 02 B10 PICTURE XXXX. CM000085 00042 00307 02 B20 PICTURE XXXX. CM000085 00043 00308 02 B3D PICTURE X(45). CM000085 00044 00309 02 B100 PICTURE X(9). CM000085 00045 00310 02 B110 PICTURE X. CM000085 00046 00312 01 C-CARD. CM000085 CM000085 00047 00313 02 C10 PICTURE X(41). CM000085 00048 00314 02 C40 PICTURE X(33). CM000085 00049 00315 02 C50 PICTURE X(33). CM000085 00050 00401 F0 A-FILE RECORDING F BLOCK 45 RECORD BIN. CM000085 00052 00403<				
00041 00306 02 B10 PICTURE XXXX. CM000085 00042 00307 02 B20 PICTURE 9. CM000085 00043 00308 02 B30 PICTURE X(65). CM000085 00044 00309 02 B100 PICTURE X(9). CM000085 00045 00310 02 B110 PICTURE X. CM000085 00046 00312 01 C-CARD. CM000085 00047 00313 02 C10 PICTURE X(41). CM000085 00048 00314 02 C40 PICTURE X(6). CM000085 00049 00315 02 C50 PICTURE X(33). CM000085 00050 00401 FO A-FILE RECORDING F BLOCK 45 RECORD RECORD BO 00051 00402 LABEL RECORDS STANDARD DATA RECORD AIN. CM000085 00052 00403 01 AIN. CM000085 00053 00404 02 A1 PICTURE XXXX.				CM000085
DO042				
OD043				
00044 00309 02 B100 PICTURE X{9}. CM000085				
ODD45	00044	00309		CM000085
O0047	00045	00310	02 B110 PICTURE X.	CM000085
O0047	00046	00312		CM000085
00049 00315 02 C50 PICTURE X(33). CM000085 00050 00401 F0 A-FILE RECORDING F 8LOCK 45 RECORD RECORD 80 00051 00402 LABEL RECORDS STANDARD DATA RECORD AIN. CM000085 00052 00403 01 AIN. CM000085 00053 00404 02 A1 PICTURE XXXX.	00047			
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00051 00402 LABEL RECORDS STANDARD DATA RECORD AIN. CM000085 00052 00403 01 AIN. CM000085 00053 00404 02 A1 PICTURE XXXX.	00049	00315	02 C50 PICTURE X(33).	CM000085
00052 00403 01 AIN. CM000085 00053 00404 02 A1 PICTURE XXXX.			FO A-FILE RECORDING F BLOCK 45 RECORDS RECORD BO	1160
00053 00404 02 A1 PICTURE XXXX.				CM000085
				CM000085
Q0054004Q502_A2PICIUBE_9				
	Q0054	00405_	PICTURE_9	CM000085

00055	00406		02 A3 PICTURE X(75).	
00056	00408	FO	B-FILE RECORDING F BLOCK 45 RECORDS RECORD 80	
00057	00409		LABEL RECORDS STANDARD DATA RECORD BIN.	CM000085
00058	00410	01	BIN.	CH000085
00059	00411		02 B1 PICTURE XXXX.	CM000085
00060	00412	-	OZ BZ PICTURE 9.	CM000085
00061	00413		02 83 PICTURE X(65).	CM000085
00062	. 00414		OZ BIO PICTURE X(9).	CM000085
00063	00415		02 811 PICTURE X.	CM000085
00064	00417	FO	C-FILE RECORDING F BLOCK 45 RECORDS RECORD 80	
00065	00418		LABEL RECORDS STANDARD DATA RECORD CIN.	CM000085
00066	00419	OL	CIN.	CM000085
00067	00420		02 CL PICTURE X(23).	CM000085
00068	00421		02 C2 PICTURE X(9).	CM000085
00059	00422		02 C3 PICTURE X(9). 02 C4 PICTURE X(6).	CM000085 CM000085
00070	00424			
00072	00501	FO	O2 C5 PICTURE X(33). HODKUP RECORDING F 8LOCK 1 RECORDS RECORD 133	CHOOODS
00072	00502	FU	O2 C5 PICTURE X(33). HODKUP RECORDING F 8LOCK 1 RECORDS RECORD 133 LABEL RECORDS STANDARD OATA RECORD HOK.	CMOOOOOO
00074	00502	01		
00075	00504	O.	02 H1 PICTURE X. 02 H2 PICTURE X(9).	CM000085
00076	00505		02 H2 PICTURE X(9).	CM000085
00077	00506		02 H3 PICTURE X(113).	CHOOODS
00078	00507		02 H4 PICTURE XXXX.	CN000085
00079	00508		02 H4 PICTURE XXXX. 02 H5 PICTURE X16). PATCH RECORDING F BLOCK 1 RECORDS RECORD 193 LABEL RECORDS STANDARD OATA RECORD PAT. PAT.	CM000085
00080		· FD	PATCH RECORDING F 8LOCK 1 RECORDS RECORD 133	CM000085
00081.	00511		LABEL RECORDS STANDARD DATA RECORD PAT.	CM000085
00082	00512	71	PAT.	CM000085
00083	00513		02 P1 PICTURE X.	CM000085
00084	00514		02 P1 PICTURE X. 02 P2 PICTURE XXXX. 02 P3 PICTURE XXXX.	CM000085
00085	00515		02 P3 PICTURE X(72).	CM000085
00086	00516		02 P4 PICTURE XXXX+	CM000085
00087			02 P5 PICTURE X(52).	CM000085
88000	00601	FD	02 P5 PICTURE XXXX. 02 P5 PICTURE XXXX. W-HOOK RECORDING F BLOCK 1 RECORD 133 LABEL RECORDS STANDARD OATA RECORD WHOK.	CM000085
00089	00602		LABEL RECORDS STANDARD OATA RECORD WHOK.	CM000085
00090	00603	01	WHOK.	CM000085
00091	00604		02 WH1 PICTURE X	CM000085
00092	00605			CM000085
00093	00606		02 WH3 PICTURE X(113).	CM000085
00094	00607			
00096	00610	₽D		CHOOODS
20097	00611	110	LARFI RECORDS STANDARD DATA RECORD WEAT.	
00098	00612	_ ₀₁ -	WPAT.	CM000085
00099	00613	٠.		
00100	00614		OZ WP1 PICTURE X.XXX.	CM000085
00101	00615		02 WP3 PICTURE X(72).	CM000085
00102	00616		02 WP4 PICTURE XXXX.	C4000085
00103	00617		02 MP5 PICTURE X(48).	
00104	81900		O2 MP6 PICTURE XXXX. HK-QUT RECORDING F BLOCK 1 RECORDS RECORD 133 LASEL RECORDS STANOARO DATA RECORD OHOR.	
00105	00701	FD	HK-OUT RECORDING F BLOCK 1 RECORDS RECORD 133	C4000085
00106	00702	-	LASEL RECORDS STANDARD DATA RECORD OHOR.	C4000085
00107	00703	01	OHDK.	CM000085
80100	00704		02 OH1 PICTURE X.	CH000085
00109	00705		02 OH2 PICTURE X(9).	CM000085
00110	00705		02 9H3 PICTURE X(113).	CA000085
00111	00707		.02 OH4 PICTURE XXXX.	.CM000085

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00112	00708	02 DH5 PICTURE X(6).	CM000085
00113		FD PT-OUT RECORDING F BLOCK 1 RECORDS RECORD 133	CM000085
00114		LABEL RECORDS STANDARD DATA RECORD OPAT.	CM000085
00115	00712	LABEL RECORDS STANDARD DATA RECORD DPAT.	CM000085
00116	00713	02 OP1 PICTURE X. 02 OP2 PICTURE XXXX.	CM000085
00117	00714	02 OPZ PIGTURE XXXX.	CM000085
0011B	00715	02 OP3 PICTURE X(72).	CM000085
00119	00716	02 DP4 PICTURE XXXX.	CM000085
00120	00717	02 DP5 PICTURE X452).	CM000085
00121	00801	FD A-WORK RECORDING F BLOCK 45 RECORDS RECORD 80	
00122	00802		CM000085
00123	00803		CM000085
00124	00804	02 AIN PICTURE XXXX.	
00125	00805	02 A2W PICTURE 9.	CM000085
00126	00806	02 FILLER PICTURE X(75).	
00127	00808	EN A-PORK DECORDING E RIGCK 45 DECORDS RECORD AN	
00128	00809	LABEL RECORDS STANDARD DATA RECORD BURK.	CM000085
00129	00810	Ol SWRK.	CM000085
00130	00811	02 81W PICTURE XXXX.	CM000085
00131	00812	02 B2W PICTURE 9.	CM000085
00132	00813	01 8WRK. 02 81W PICTURE XXXX. 02 82W PICTURE 9. 02 83W PICTURE X(65).	CM000085
00133	00814	O2 83W PICTURE X(65). O2 BIOW PICTURE X(9). O2 BIIW PICTURE X. FO C-WORK RECORDING F BLOCK 45 RECORDS RECORD 80 LABEL RECORDS STANDARO DATA RECORD CWRK. O1 CWRK.	CM000085
00134	00815	O2 811W PICTURE X.	CM000085
00135	00817	FO C-WORK RECORDING F BLOCK 45 RECORDS RECORD 80	C400008
00136	00818	LABEL RECORDS STANDARD DATA RECORD CWRK.	CM000085
00137	00819	01 CWRK.	CM000085
00138	_00820	02 <u>C1W PICTURE</u> X(23)	CM0000B5
00139	00821	02 CZW PICTURE X(9).	CM000085
00140	00822	01 CWRK. 02 CIM PICTURE X(23). 02 C2W PICTURE X(9). 02 C3W PICTURE X(9). 02 C4W PICTURE X(6).	CM000085
00141	00823	02 C4W PICTURE X(6).	CM000085
00142	00824	02 C5W PICTURE X(33).	
00143		WORKING-STORAGE SECTION.	CM000085
00144	01002	77 AA-SH PICTURE 9 VALUE O.	CM000085
00145	01003	77 A-SW PICTURE 9 VALUE O.	CM000085
00146	01004	77 A-CNT PICTURE XXXX VALUE SPACE	•
00147	01005	77 END-SW PICTURE 9 VALUE O.	CM000085
00148	01006_	77 AB-SW PICTURE 9 VALUE 0.	CM000085
00149	01007	77 8-CNT PICTURE XXXX VALUE SPACE.	CM000085
00150	01008	77 AC-SW PICTURE 9 VALUE 0.	CM000085
00151		77 A-SW PICTURE 9 VALUE 0. 77 A-CNT PICTURE XXXX VALUE SPACE. 77 END-SW PICTURE 9 VALUE 0. 77 AB-SW PICTURE 9 VALUE 0. 77 B-CNT PICTURE 9 VALUE SPACE. 77 AC-SW PICTURE 9 VALUE 0. 77 C-CNT PICTURE X(6) VALUE SPACE. PROCEDURE DIVISION.	CM000085
00152	01501	PROCEDURE DIVISION.	
00153	01502	OPEN INPUT HOUSE PAICH.	CM000085
00154	01503	77 C-CNT PICTURE X(6) VALUE SPACE. PROCEDURE DIVISION. OPEN INPUT HOOKUP PATCH. OPEN DUTPUT H-HOOK W-PATH. DISK-HK. READ HOOKUP AT END GO TO DISKH. WRITE WHOK FROM HOK. GO TO OISK-HK.	CM000085
00155	01504	DISK-HK.	CH000085
00156	01505	KEAU HUNDY AT END OU TO UISKM.	CH000085
00157	01506	TRIFE THUN TRUM HUR.	C4000085
00158	01507	GO TO OISK-HK.	CM000085
00159 00160	01508 01509		- CM000085
00161	01510	CLOSE HOOKUP W-HOOK.	C4000085
00162	01510	READ PATCH AT END GO TO DISKP.	C4000085
00163	01511	WRITE WPAT FROM PAT.	CM000085
00164	01512	GD TO DISK-PT.	CM000085
00165	01514		CM000085 CM000085
00166	01515	CLOSE PATCH W-PATH.	C4000085
00167	01516	OPEN 1-0 A-FILE B-FILE C-FILE.	CM000085
00168	01517	OPEN INPUT I-FILE.	CM000085
00100	01311	OF LIE AMENY I TELLES	C4000000

00169	01519	" READ I-FILE AT ENO GO TO IAINO.	CM000085
00170	01520	TF OPTN = "OELETEA" GO TO DELETE-A.	CM000085
00171	01521	IF OPTN = "AOOA " GO TO AOO-A.	CM000085
00172	01522	IF OPTN - DELETER GO TO DELETE-B.	CM000085
00173	01523	IF OPTN = 'AOOB ' GO TO ADO-B.	CM000085
00174	01524	IF OPTN = DELETEC GO TO DELETE-C.	CM000085
00175	01525	IF OPTN = 'AOOC ' GO TO AOD-C.	CM000085
00176	01601	IF OPTN = "OELETEP" GO TO CELETE-P.	CM000085
00177	01602	IA1NO.	CM000085
00178	01603	OISPLAY 'NO HEADER CARDS'.	CM000085
00179	01604	STOP RUN.	CM000085
00180	01605	OELETE-A.	CM000085
00181	01606	READ I-FILE AT ENO GO TO IAINO.	CM000085
00182	01607	IF OPTN = 'AODA ' CLOSE A-FILE OPEN I-O A-FILE	CM000085
00183	01608	GO TO ADO-A.	CM000085
00184	01609	IF OPTN = 'DELETEB' GO TO OELETE-8.	CH000085
00185	01610	IF OPTN = 'AOOB ' GO TO ADD-B.	CM000085
00186	01611	IF OPTN - "OELETES" GO TO OELETE-C.	CM000085
00187	01612	IF OPTH = 'ADDC ' GO TO ADD-C.	CM000085
00188	01613	IF OPTN = 'OELETEP' GO TO OELETE-P.	CM000085
00189	01614	OA-REAO.	CM000085
00190	01615	READ A-FILE AT ENG GO TO AG-ENG.	CM000085
00191	01616	IF A1 NOT = A10 GO TO OA-REAG.	CM000085
00192	01617	OAR1.	
00193	01618	HOVE 'XXXX' TO Al.	1510
00194	01619	REWRITE AIN.	CM000085
00195	016191	READ A-FILE AT END CLOSE A-FILE OPEN I-D A-FILE	
00196	016192	GO TO DELETE-A.	
00197	016193	IF A1 = A10 GO TO OAR1.	
00198	01620	GO TO DELETE-A.	CM000085
00199	01621	AO-ENO.	CM000085
00200	01622	OISPLAY 'NOT IN A-FILE ' ALO AZO.	CM000085
00201	01623	GO TO OELETE-A.	CM000085
00202	01701	A00-A.	CM000085
00203	01702	MOVE 1 TO AA-SW.	CM000085
00204	01703	OPEN DUTPUT A-WORK.	CMOOOO85
00205	017031	READ A-FILE AT END GO TO AA-READ.	CHOOOOE
00206 00207	01704	KEAU ATTILE AT ENU GU TU AA-KEAU.	CM000085
00207	017041	IF A1 = 'XXXX' GO TO AD-A1. AA-READ.	CM000085
00208	01705		CM000085
00210	01707	READ I-FILE AT ENO GO TO IAINO. IF OPTN = "DELETEB" PERFORM FINIS-A THRU AX GO TO DELETE-B.	
00210	01707	IF OPTN = "AOOB " PERFORM FINIS-A THRU AX GO TO AOO-B.	CM000085
00211	01709	IF OPTH = "OELETEC" PERFORM FINIS-A THRU AX GO TO OELETE-C.	
00212	01710	IF OPTN = "AOOC	CM000085
00213	01711	IF OPTN = 'OELETEP' PERFORM FINIS-A THRU AX GO TO DELETE-P.	
00215	01712	AA-A	CM000085
00216	01713	GO TO AA-C.	CM000085
00217	01714		CM000085
00218	01715	IF AL < ALO GO TO AA-1.	CM000085
00219	01716	IF A1 = A10 MOVE 1 TO A-SW.	
00220	-01717~	AA-B.	CM000085
00221	01718	WRITE AWRK FROM A-CARO.	CM000085
00222	01719	GO TO AA-REAO.	CM000085
00223	01720	44_1	CM000085
00224	01721	IF A-SW = 1 MOVE O TO A-SW- MOVE AL TO A-CNT	CM000085
		GD TO AL-READ.	CM000085
		a magnetic and an incompanion of the control of the	Wat 21 - 2 - 2 2 .

			•
00226	01723	WRITE AWRK FROM AIN.	CM0000B5
00227	017231		
0022B	01724	READ A-FILE AT ENO GO TO AI-ENO.	CM000085_
00229	017241	TE A1 = TYYYYT GO TO AA=2.	
00230	01725	GD TO AA-A. AL-READ. READ A-FILE AT END GO TO AI-END. IF A1 = "XXXX" GO TO AL-READ. IF A1 = A-CNT GO TO AL-READ. GD TO AA-A. AI-END. ALTER AA-A TO PROCEED TO AA-B. GD TO AA-B. FINIS-A.	CM000085
00231	01801	AL-READ.	CM000085
00232	01802	READ A-FILE AT END GO TO AI-ENO.	CM000085
00233	018021	IF A1 = "XXXX" GO TO AL-READ.	
00234	01803	IF A1 = A-CNT GO TO AL-READ.	CM000085
00235	01B04	GO TO AA-A.	CM000085
00236	01805	AI-ENO.	CMODDOB5
00237	01806	MOVE 1 TO ENO-SW.	· CM000085
0023B	01B07	ALTER AA-A TO PROCEED TO AA-B.	CM0000B5
00239	0180B	GO TO AA-B.	CM000085
00240	01809	FINIS-A.	CM000085
00241	01B091		
00242	01810	IF END-SW = 1 MOVE O TO END-SW GO TO AX.	CMODUO85
00243	01 B 101	1F A1 > A10 GO TO AF-WRT.	
00244	01B11	AF-REAO.	CM000085
00245	01812	READ A-FILE AT END GO TO AX.	CMODDOB5
00246	018121	1F A1 > A10 GO TO AF-WRT. AF-REAO. REAO A-FILE AT ENO GO TO AX. 1F A1 = 'XXXX' GO TO AF-REAO.	
00247	018122		
00248	O1B13	WRITE AWRK FROM AIN. GD TO AF-READ. AX. EXIT.	CM0000B5
00249	01814	GD TO AF-READ.	CM000085
00250	01915	AX.	CM0000B5
00251	01816	EXIT.	CM000085
00252	01901	OELETE-8.	CM000085
00253	01902	DELETE-B. READ I-FILE AT END GO TO IAINO. IF OPTN = 'ADDB ' CLOSE 8-FILE OPEN I-O B-FILE GO TO ADO-B.	CM0000B5
00254	01903	IF OPTN = 'ADDB ' CLOSE 8-FILE OPEN I-O B-FILE	CM0000B5
00255	01 903 01 904	GO TO AOO-B.	CM000085
00256	01905	GO TO AOO-B. IF OPTN = 'OELETEC' GO TO DELETE-C. IF OPTN = 'AOOC ' GO TO AOD-C. IF OPTN = 'DELETEP' GO TO DELETE-P. OB-REAO. READ B-FILE AT ENO GO TO OB-ENO. IF B1 NOT = 810 GO TO OB-REAO. IF B2 NOT = 820 GO TO OB-REAO. DBR1.	CM000085
00257	01906	IF OPTN = 'AOOC ' GO TO AOD-C.	CM0000B5
0025B	01907	of OPTN = 'DELETEP' GO TO DELETE-P.	CM000085
00259	0190B	OB-REAO.	CMO000B5
00260	01909	READ B-FILE AT END GO TO OB-ENO.	CMODDOB5
00261	01910	IF B1 NOT = B10 G3 TO DB-READ.	CM000085
00262	01911	IF B2 NOT = 820 GO TO OB-READ.	CM000085
00263	019111	DÉR1.	
00264	01912	MOVE 'XXXX' TO B1.	CM000085
00265	01913	REWRITE BIN.	CM000085
00266	019131	DBR1. MOVE 'XXXX' TO B1. REWRITE BIN. READ 8-FILE AT END CLOSE 8-FILE OPEN I-O 8-FILE CO TO OFFETER.	
00267	019132	- GO TO DELETE-B.	
00268	019133	GO TO DELETE-8. IF B1 = B10 IF B2 = B20 GO TO OBR1. GO TO DELETE-8.	
00269	01914	GO TO DELETE-8.	CM000085
00270	01915	OB-END.	CM0000B5
00271	01916	DISPLAY 'NOT IN B-FILE ' 810 B20.	CM000085
00272	01917	OB-END. OISPLAY 'NOT IN B-FILE ' 810 B20. GO TO DELETE-8. AOD-B.	CMODOOB5
00273	02001	A00-B.	CMODOOB5
00274	02002	AOD-B. MOVE 1 TO AB-SW. MOVE 0 TO A-SW.	CM000085
00275	02003	MOVE O TO A-SW.	CM000085
00276	02004	MOVE O TO END-SW. OPEN OUTPUT B-WORK.	CM000085
00277	02005	OPEN OUTPUT B-WORK.	CMODOOB5
00278	020051	AO-B1.	
00279	02006	READ B-FILE AT ENO GO TO ABB-READ.	CM000085
00280	020061	IF B1 = 'XXXX' GO TO AD-B1.	- '
00291	02007	OPEN OUTPUT B-WORK. AO-B1. READ B-FILE AT ENO GO TO ABB-READ. IF B1 = "XXXX" GD TO AD-B1. ABB-READ.	CM000085
00282	02 00 B	ABB-READ. READ IFILE AJ ENO GO TO IAIND.	CH000085
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.00283	02009	IF OPTH = "DELETEC" PERFORM FINIS-B THRU BX GO TO DELETE-C.	CM0000B5
002B4	02010	IF OPTN = "ADOC " PERFORM FINIS-8 THRU BX GO TO AOO-C.	CM0000B5
002B5	02011	IF DPTN = "OELETEP" PERFORM FINIS-B THRU BX GO TO OELETE-P	CM000085
00286	02012	AB-ABO.	CMOOOOB5
00287	02013	GO TO AB-AB1.	CM0000B5
002BB	02014	AB-AB1.	CM0000B5
002B9	02015	IF B1 < B10 G0 TO AB-LO.	CM0000B5
00290	02016	IF BI = BIO MOVE I TO A-SW.	CM0000B5
00291	02017	AB-AB2.	CM0000B5
00292	0201B	TOTAL DURY TORNE CARD	CM0000B5
00293	02019	CO TO ARR-DEAD	CM000085
00294	02020		CM0000B5
00295	02021	IF A-SW = 1 MOVE O TO A-SW MOVE B1 TO B-CNT	CM0000B5
00296	02022	GO TO RD-ABLO.	CM0000B5
00297	02023	WRITE BWRK FROM BIN.	CM0000B5
00298		AB-LO1.	
00299	02024		CM0000B5
00300	020241	READ B-FILE AT END GO TO B-END. IF BL = "XXXX" GO TO AB-LOI. GO TO AB-ABO. RO-ABLO. READ B-FILE AT END GO TO B-END. IF BL = "XXXX" GO TO RO-ABLO.	2/2
00301	02025	CO TO AR-ARO	CMOOOOB5
00302	02101	RO-ABLO.	CM000085
00303	02102	PEAG RESILE AT ENG CO TO REFNO.	CM0000B5
00304	021021	IF B1 = "XXXX" GO TO RO-ABLO.	. 01100000
00305	021021	IF B1 = B-CNT GO TO RO-ABLO.	C#0000B5
00306	02103	GOTO AB-ABO.	CM0000B5
20307	02105	B-ENO.	CM0000B5
00308	02106	MOVE 1 TO ENO-SW.	CM0000B5
00309	02107	ALTER AB-ABO TO PROCEED TO AB-AB2.	CM0000B5
00307	0210F	GO TO AB-AB2.	CM0000B5
00310	02108	FINIS-B.	CM000085
00312	02139	IF ENO-SW = 1 GO TO BX.	CM000085
00312	021101		CHUUUUUD
00315		FB-RO.	CM000085
00314	02111	READ B-FILE AT END GO TO BX.	CM00000B5
00315	021121	IF B1 = "XXXX" GO TO FB-RD.	CHOOODS
00317		FB-WRT.	
		WRITE BWRK FROM BIN.	CHOOODE .
0031B 00319	02113 02114	GO TO FB-RO.	CM0000B5 T
00320	02115	8X.	CM000085
00321 00322	02116 02201	EXIT. DELETE-C.	CM0000B5
00322	02201	READ I-FILE AT END GO TO IAINO.	CM0000B5
00323	02202	IF OPIN = 'ADOC ' CLOSE C-FILE OPEN I-O C-FILE	
00325	02203	GO TO AOO-C.	CM0000B5 CM0000B5
00325	02205	IF OPTN = "OELETEP" GO TO DELETE-P.	CM000085
00325		DC-REAO.	
00328	02206 02207	READ C-FILE AT ENO GO TO CO-ENO.	CM0000B5
00329		IF C4 NOT = C40 GD TD OC-REAO.	CM0000B5
	02208		CM000085
00330	02209	MOVE "XXXXXX" TO C4.	CM0000B5
00331	02210	REWRITE CIN.	CHARACT
00332	02211	GO TO DELETE-C.	CM0000B5
00333 00334	02212	CO-END.	CM0000B5
	02213	DISPLAY 'NOT IN C-FILE ' C40.	CHAAAAA
00335	02214	GO TO OELETE-C.	CM0000B5
00336	02301	ADD-C.	CM0000B5
30337	02302	MOVE 1 TO AC-SW.	CM000085
00338	02303	MOVE O TO END-SW A-SW.	CH000085
00339	02304	OPEN OUTPUT C-WORK.	CM0000B5, .

00340	023041	READ C-FILE AT END GO TO ACC-READ.	CH000085
00341 00342	023051	READ C-FILE AT END GO TO ACC-READ. IF C4 = "XXXXXX" GO TO AO-C1. ACC-READ.	CHUUUUUS
00342	02306		CM000085
00344	02300	READ I-FILE AT ENO GO TO TAINO.	CM000085
00345	02308	READ I-FILE AT END GO TO IAINO. IF OPTN = 'DELETEP' PERFORM FINIS-C THRU CX	CM000085
00346	02309	GO TO OELETE-P.	CM000085
00347	02310	AC-ACCO.	CM000085
00348	02311	GO TO AC-ACC2.	CM000085
00349	02312	16 1660	CM000085
00350	02313	IF C4 < C40 G0 TO AC-LO. IF C4 = C40 MOVE 1 TO A-SW.	CM000085
00351	02314	IF C4 = C40 MOVE 1 TO A-SW.	CM000085
00352	02315	IF C4 = C40 MOVE 1 TO A-SW. AC-ACC1. WRITE CWRK FROM C-CARD. GO TO ACC-REAO.	CM000085
00353	02316	WRITE CWRK FROM C-CARD.	CM0000085
00354	02317	GO TO ACC-REAO.	CM000085
00355	02318	AC-10.	しいいいいひとう
00356	02319	IF A-SW = 1 MOVE O TO A-SW MOVE C4 TO C-CNT GO TO LO-ACRO. WRITE CWRK FROM CIN.	CM000085
00357	02320	GO TO LO-ACRO.	CM000085
00358	02321	WRITE CWRK FROM CIN.	CM000085
00359	023211	AC-LO1.	
00360	02322	READ C-FILE AT ENO GO TO AC-ENO.	CM000085
00361	023221	IF C4 = "XXXXXX" GO TO AC-LOI.	
00362	02323	GO TO AC-ACCO.	CM000085
00363	02401		CM000085
00364	02402	ALTER AC-ACCO TO PROCEED TO AC-ACCI. MOVE 1 TO ENO-SW. GO TO AC-ACCI. LO-ACRO.	CH000085
00365	02403	MOVE 1 TO END-SW.	CM000085
00366	02404	GO TO AC-ACC1.	CM000085
00367	02405	LO-ACRO.	CM000085
00368	02406	READ C-FILE AT ENO GO TO AC-ENO.	CM000085
00369	024061	READ C-FILE AT ENO GO TO AC-ENO. IF C4 = "XXXXXX" GD TO LO-ACRO. IF C4 = C-CNT GO TO LO-ACRO.	
00370	02407	IF C4 = C-CNT GO TO LO-ACRO.	CM000085
00371	02408	GO TO AC-ACCO.	CM000085
00372	02409	FINIS-C.	CM000085
00373	02410	IF END-SM # I MOVE O TO END-SM GO TO CX.	CM000085
<u>00374</u>	_024101		
00375		FC-RO.	CM000085
00376	02412	READ C-FILE AT END GO TO CX.	CM000085
30377	024121		
00378		FC-WRT.	
00379	02413	WRITE CHRK FROM CIN.	CM000085
_00380	02414	GO TO FC-RO.	CM000085
00381	02415	CX.	CM000085
_00382	02416	EXIT.	CM000085
00383	02501	OELETE-P.	CM000085
00384	02502	IF AA-SW = 1 CLOSE A-WORK GO TO OP-8A.	6400000
00385	02503	OPEN OUTPUT A-WORK.	CM000085
00386	02504	CLOSE A-FILE OPEN I-O A-FILE.	CM000085
00387	02505	UP-AKU.	CM000085
00388	02506	READ A-FILE AT END GO TO AP-END.	CM000085
00389	02507	<pre>IF Al = "XXXX" GO TO OP-ARO. WRITE AWRK FROM AIN.</pre>	CHOOOOE
00390	02508		CM000085 CM000085
00391	02509		CM000085
00392	02510 02511	AP-END.	CM000085
00393	02511	CLOSE A-WORK.	CM000085
00395	02512	OP-BA. IF AB-SW = 1 CLOSE B-WORK GO TO OP-CA.	UNUUUU00
00395	02514	OPEN OUTPUT B-WORK.	CM000085
00570	,02314	OFER DOIFOI D-RURKS	CHUUUUUS

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00397
                    CLOSE B-FILE OPEN I-O 8-FILE.
                                                                                       CM000085
         02515
00398
        02516
                DP-BRO.
                                                                                       CMDODD85
00399
         02517
                    READ 8-FILE AT END GO TO BP-END.
                                                                                       CM000085
                     IF 81 = "XXXX" GO TO OP-BRO.
                                                                                       CM000085
00400
        02518
                    WRITE BWRK FROM BIN.
00401
        02519
                                                                                       CM000085
                    GO TO DP-BRO.
                                                                                       CM000085
00402
         02520
                                                                                       CM0000085
00403
         02521
                BP-END.
                    CLOSE B-WORK.
00404
        02522
                                                                                       CMODDO085
                                                                                       CM000085
00405
         02523
                DP-CA.
00405
        02524
                    IF AC-SW = 1 CLOSE C-WORK GO TO DPLO.
                    OPEN OUTPJT C-WORK.
                                                                                       CM000085
00407
         D2525
D0408
        02601
                    CLOSE C-FILE OPEN 1-0 C-FILE.
                                                                                       CMODODRS
00409
        02602
                OP-CRO.
                                                                                       CM000085
07410
         02603
                    READ C-FILE AT END GO TO CP-END.
                                                                                       CM000085
                     IF C4 = "XXXXXX" SO TO OP-CRD.
00411
         02604
                                                                                       C4000085
                     WRITE CWRK FROM CIN.
00412
         02605
                                                                                       CM000085
00413
         02606
                    GO TO DP-CRD.
00414
         02607
                CP-END.
                                                                                       C4000085
00415
         02608
                    CLOSE C-WORK.
                                                                                       CM000085
00416
         02609
                OPLO.
                                                                                       CM000085
                    OPEN 1-0 W-HODK.
                                                                                       CM0000085
00417
         02610
                    RFAD W-HOOK AT END GO TO WH-ENO.
00418
                                                                                       CM000085
         02612
                                                                                       CM000085
00419
         02613
                OP[-RO.
                                                                                       CM000085
00420
        02614
                    READ I-FILE AT END GO TO IF-ENO.
                                                                                      _ CM000085
                    OPEN I-O C-WORK.
00421
        02615
09422
        02616
                DPC-RD-
                                                                                       CM000085
                    READ C-WORK AT END GO TO OP-CWX.

IF DELPARY NOT = CZW GO TO OPC-RO.
                                                                                       CMD00085
00423
        02617
                                                                                       CMODOOR5
00424
        02618
                     MOVE SPACE TO C2W.
00425
         02619
                                                                                       CM000085
                     REWRITE CWRK.
                                                                                       CM000085
00425
        02620
                    GO TO DPC-RD.
                                                                                       CM000085
00427
         02621
                                                                                       CM000085
00428
         02622
                OP-CWX.
                    CLOSE C-WORK.
00429
         02623
                                                                                       CMDOODBS
00430
        02624
                    OPEN I-O 8-WORK.
                                                                                       CM000085
00431
        02701
                008-RD.
                                                                                       CM000085
00432
                    READ B-WORK AT END GO TO OP-BWX.
        02702
                    IF DELPARM NOT = BIOW GO TO OPB-RD.
MOVE SPACE TO BIOW.
00433
        02703
                                                                                       CMDDDDDB5
00434
        02704
                                                                                       CMOODDBS
00435
        02705
                    REWRITE BWRK.
00436
        02706
                    GO TO OP8-RD.
                                                                                       CM000085
00437
        02707
                OP-BWX.
                                                                                       CM000085
0243R
         02709
                    CLOSE B-WORK.
                                                                                       CM000085
                DP. IF DELPARY NOT = WH2 GO TO DP-OPH.
00439
        02709
                                                                                       CM000085
00440
        02710
                     SHW OT 'XXXXXXXX' TO WH2.
                                                                                       CMOODORS
                     OPEN (-O W-PATH.
00441
        02711
                                                                                       CM000085
00442
         02712
                OP-PTRO.
                                                                                       CM000085
00443
                    READ N-PATH AT END GO TO MP-END.
                                                                                       CM000085
         02713
00444
         02714
                     IF WP6 = WH4 GO TO [TEM-EQ.
                     GO TO OP-PTRO.
00445
         02716
                                                                                       CMDQQD85
00446
        02717
                ITEM-FQ.
                                                                                       CMDOODB5
         02718
                     MOVE "XXXX" TO WP2.
00447
                                                                                       CMODDO85
                     REWRITE WPAT.
00448
         02719
                                                                                       CM000085
00449
         02720
                     GO TO DP-PTRO.
                                                                                       CM000085
                                                                                       CM000085
00450
         02721
                OP-OPH.
                    READ W-HOOK AT END GO TO WH-END.
00451
         02722
                                                                                       CM000085
        02723
00452
                    GO TO OP.
                                                                                       CM000085
                MP-END.
00453
         02724
                                                                                       CM000085
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00454	02725	CLOSE W-PATH.	CM000085
00455	02801	REWRITE WHOK.	CM000085
00456	02802	GO TO OP-OPH.	CM000085
00457	02803	WH-END.	CM000085
00458	02804	CLOSE W-HOOK.	CN000085
00459	02805	OPEN I-O W-HOOK.	CM000085
00460	02806	GO TO OPI-RO.	CN000085
00461	02807	IF-END.	CM000085
00462	02808	CLOSE A-FILE 8-FILE C-FILE.	CM000085
00463	02810	CLOSE I-FILE.	CM000085
00464	02811	CLOSE W-HOOK.	
00465	02812	OPEN I-O W-HOOK W-PATH.	CN000085
00466	02813	OPEN OUTPUT HK-OUT PT-OUT.	CM000085
00457	02814	IF-ROH.	CN000085
00468	02815	READ W-HOOK AT END GO TO ALT-HK.	CM000085
00469	02816	IF WH2 = "XXXXXXXXXX" GO TO IF-RDH.	CM000085
00470	02817	WRITE OHOK FROM WHOK.	CN000085
00471	02818	GO TO IF-ROH.	CN000085
00472		ALL-HK.	CM000085
00473	02820	CLOSE W-HOOK.	CN000085
00474	02821	CLOSE HK-OUT.	CN000085
00475		IF-ROP.	CM000085
00476	02823	READ W-PATH AT END GO TO ALL-PT.	CM000085
00477	02824	IF WP2 = 'XXXX' GO TO IF-RDP.	CM000085
00478	02825	WRITE OPAT FROM WPAT.	CM000085
00479	02901	GO TO IF-ROP.	CM000085
00480		ALL-PT.	CM000085
00481	02903	CLOSE W-PATH	CM000085
00482	02904	CLOSE PT-OUT.	CM000085
00483	02905	STOP RUN.	CM000085
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13 ABSTRACT

A system of digital computer programs developed to aid in the design and documentation of instrumentation systems is described. Included are brief descriptions of system concepts and capabilities, required system inputs, explanations of system outputs and information contained therein, and system utilization. This system is currently in use by the ETF J-Instrument Branch of the Arnold Engineering Development Center.

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